Proteins



Product Data Sheet

Cadherin-13 Protein, Mouse (HEK293, His)

Cat. No.: HY-P74365

Synonyms: Cadherin-13; H-cadherin; T-cadherin; T-cad; CDH13

Species: Source: HEK293

Accession: Q9WTR5 (M1-A692)

Gene ID: 12554

Molecular Weight: Approximately 90-110 kDa due to the glycosylation.

PROPERTIES

D D L E C T P G F Q R K V L H I H Q P A E F I E D Q P V L N L T F N D C K G N E K L H Y E V S S P H F K V N S D G T L V A L R N I T A V G R T L F V H A R T P H A E D M A E L V I V G G K D I Q G S L Q D I F K F A R T S P V P R Q K R S I V V S P I L I P E N Q R Q P F P R D V G K V V D S D R P E G S K F R L T G K G V D Q D P K G T F R I N E N T G S V S V T R L D R E T I A T Y Q L Y V E T D A S G K T L E G P V P L E V I V I D Q N D N R P I F R E G P Y I G H V M E G S P T G T T V M R M T A F D A D D P A T D N A L R Y N I R Q D T P D K P S P N M F Y I D P E K G D I V T V V S P A L L D R E T L E N P K Y E L I I E A Q D M A G L D V G L T G T A T A T I V I D D K N D H S P K F T K K E F Q A T V E G A V G V I V N L T V E D K D D P T T G A W R A A Y T I I N G N P G Q S F E I H T N P Q T N E G M S L T V H I T V L D V N E G P V F V D P M M V T K Q E N I S V G S V L L T V N A T D P D S L Q H Q T I R Y S I Y K D P A G W L S I N P I N G T V D T T A V L D R E S P F V H N S V T A L F L A I D S G N P P A T G T G T L I T L E D I N D N A P V I Y P T V A E V C D D A R N L S V V L G A S D K D L H P N T D P F K F E I H K Q T V P D K V W K I S K I N T H A L V S L L Q N L N K A N Y N L P I M V T D S G K P P M T N I T D L R V Q V C S C K N S K V D C N G A Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10° cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37°C. The ED T or this effect is 4.025 µg/m L, corresponding to a specific activity is 248.447 units/m g. Appearance Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Endotoxin Level *1 EU/µg, determined by LAL method. Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/m L in dd H 20. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% F BS or 5% Trehalose).	AA Sequence				
A E D M A E L V I V G G K D I Q G S L Q D I F K F A R T S P V P R Q K R S I V V S P I L I P E N Q R Q P F P R D V G K V V D S D R P E G S K F L T G K G D D D P K G T F R I N B N T G S V S V T R L D R E T I A T Y Q L Y V E T T D A S G K T L E G P V P L E V I V I D Q N D N R P I F R E G P Y I G H V M E G S P T G T T V M R M T A F D A D D P A T D N A L L R Y N I R Q Q T P D K P S P N M F Y I D P E K G D I V T V V S P A L L D R E T L E N P K Y E L I I E A Q D M A G L D V G L T G T A T A T I V I D D K N D H S P K F T K K E F Q A T V E E G A V G V I V N L T V E D K D D P T T G A W R A A Y T I I N G N P G Q S F E I H T N P Q T N E G M L S V V K P L D Y E I S A F H T L L K V E N E D P L V P D V S Y G P S S T A T V H I T V L D V N E G P V F Y P D P M M V T K Q E N I S V G S V L L T V N A T D P D S L Q H Q T I R Y S I Y K D P A G W L S I N P I N G T V D T T A V L D R E S P F V H N S V Y T A L F L A I D S G N P P A T G T G T L I T L E D I N D N A P V I Y P D T V A E V C D D A R N L S V V I L G A S D K D L P P N T D P F K F E I H K Q T V P D K V W K I S K I N N T H A L V S L L Q N L N K A N Y N L P I M V T D S G K P P M T N I T D L R V Q V C S C K N S K V D C N G A Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of H UVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 ° C. The ED T for this effect is 4.025 µg/m L, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Endotoxin Level It is not recommended to reconstitute to a concentration less than 100 µg/m L in ddH 20. For long term storage it is	7 b t o c que i i c c	DDLECTPGFQ	RKVLHIHQPA	EFIEDQPVLN	LTFNDCKGNE
SPILIPENQR QPFPRDVGKV VDSDRPEGSK FRLTGKGVDQ DPKGTFRINE NTGSVSVTRT LDRETIATYQ LYVETTDASG KTLEGPVPLE VIVIDQNDNR PIFREGPYIG HVMEGSPTGT TVMRMTAFDA DDPATDNALL RYNIRQQTPD KPSPNMFYID PEKGDIVTVV SPALLDRETL ENPKYELIIE AQDMAGLDVG LTGTATATIV IDDKNDHSPK FTKKEFQATV EEGAVGVIVN LTVEDKDDPT TGAWRAAYTI INGNPGQSFE IHTNPQTNEG MLSVVKPLDY EISAFHTLLI KVENEDPLVP DVSYGPSSTA TVHITVLDVN EGPVFYPDPM MVTKQENISV GSVLLTVNAT DPDSLQHQTI RYSIYKDPAG WLSINPINGT VDTTAVLDRE SPFVHNSVYT ALFLAIDSGN PPATGTGTLL ITLEDINDNA PVIYPTVAEV CDDARNLSVV ILGASDKDLH PNTDPFKFEI HKQTVPDKVW KISKINNTHA LVSLLQNLNK ANYNLPIMVT DSGKPPMTNI TDLRVQVCSC KNSKVDCNGA Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 µg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Formulation It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is		KLHYEVSSPH	FKVNSDGTLV	ALRNITAVGR	TLFVHARTPH
DPKGTFRINE NTGSVSVTRT LDRETIATYQ LYVETTDASG KTLEGPVPLE VIVIDQNDNR PIFREGPYIG HVMEGSPTGT TVMRMTAFDA DDPATDNALL RYNIRQQTPD KPSPNMFYID PEKGDIVTVV SPALLDRETL ENPKYELIIE AQDMAGLDVG LTGTATATIV IDDKNDHSPK FTKKEFQATV EEGAVGVIVN LTVEDKDDPT TGAWRAAYTI INGNPGQSFE IHTNPQTNEG MLSVVKPLDY EISAFHTLLI KVENEDPLVP DVSYGPSSTA TVHITVLDVN EGPVFYPDPM MVTKQENISV GSVLLTVNAT DPDSLQHQTI RYSIYKDPAG WLSINPINGT VDTTAVLDRE SPFVHNSVYT ALFLAIDSGN PPATGTGTLL ITLEDINDNA PVIYPTVAEV CDDARNLSVV ILGASDKDLH PNTDPFKFEI HKQTVPDKVW KISKINNTHA LVSLLQNLNK ANYNLPIMVT DSGKPPMTNI TDLRVQVCSC KNSKVDCNGA Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 µg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Endotoxin Level It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is		AEDMAELVIV	GGKDIQGSLQ	DIFKFARTSP	VPRQKRSIVV
KTLEGPVPLE		SPILIPENQR	QPFPRDVGKV	VDSDRPEGSK	FRLTGKGVDQ
T V M R M T A F D A D D P A T D N A L L R Y N I R Q Q T P D K P S P N M F Y I D P E K G D I V T V V S P A L L D R E T L E N P K Y E L I I E A Q D M A G L D V G L T G T A T A T I V I D D K N D H S P K F T K K E F Q A T V E E G A V G V I V N L T V E D K D D P T T G A W R A A Y T I I N G N P G Q S F E I H T N P Q T N E G M L S V V K P L D Y E I S A F H T L L I K V E N E D P L V P D V S Y G P S S T A T V H I T V L D V N E G P V F Y P D P M M V T K Q E N I S V G S V L L T V N A T D P D S L Q H Q T I R Y S I Y K D P A G W L S I N P I N G T V D T T A V L D R E S P F V H N S V Y T A L F L A I D S G N P P A T G T G T L I T L E D I N D N A P V I Y P T V A E V C D D A R N L S V V I L G A S D K D L H P N T D P F K F E I H K Q T V P D K V W K I S K I N N T H A L V S L L Q N L N K A N Y N L P I M V T D S G K P P M T N I T D L R V Q V C S C K N S K V D C N G A Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 μg/m L, corresponding to a specific activity is 248.447 units/m g. Appearance Lyophilized powder. Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Endotoxin Level It is not recommended to reconstitute to a concentration less than 100 μg/m L in dd H ₂ O. For long term storage it is		DPKGTFRINE	$N\;T\;G\;S\;V\;S\;V\;T\;R\;T$	LDRETIATYQ	LYVETTDASG
PEKGDIVTVV SPALLDRETL ENPKYELIIE AQDMAGLDVG LTGTATATIV IDDKNDHSPK FTKKEFQATV EEGAVGVIVN LTVEDKDDPT TGAWRAAYTI INGNPGQSFE IHTNPQTNEG MLSVVKPLDY EISAFHTLLI KVENEDPLVP DVSYGPSSTA TVHITVLDVN EGPVFYPDPM MVTKQENISV GSVLLTVNAT DPDSLQHQTI RYSIYKDPAG WLSINPINGT VDTTAVLDRE SPFVHNSVYT ALFLAIDSGN PPATGTGTLL ITLEDINDNA PVIYPTVAEV CDDARNLSVV ILGASDKDLH PNTDPFKFEI HKQTVPDKVW KISKINNTHA LVSLLQNLNK ANYNLPIMVT DSGKPPMTNI TDLRVQVCSC KNSKVDCNGA Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Endotoxin Level <1 EU/μg, determined by LAL method. Reconsitiution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is		KTLEGPVPLE	VIVIDQNDNR	PIFREGPYIG	HVMEGSPTGT
LTGTATATIV IDDKNDHSPK FTKKEFQATV EEGAVGVIVN LTVEDKDDPT TGAWRAAYTI INGNPGQSFE IHTNPQTNEG MLSVVKPLDY EISAFHTLLI KVENEDPLVP DVSYGPSSTA TVHITVLDVN EGPVFYPDPM MVTKQENISV GSVLLTVNAT DPDSLQHQTI RYSIYKDPAG WLSINPINGT VDTTAVLDRE SPFVHNSVYT ALFLAIDSGN PPATGTGTLL ITLEDINDNA PVIYPTVAEV CDDARNLSVV ILGASDKDLH PNTDPFKFEI HKQTVPDKVW KISKINNTHA LVSLLQNLNK ANYNLPIMVT DSGKPPMTNI TDLRVQVCSC KNSKVDCNGA Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 µg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Endotoxin Level <1 EU/µg, determined by LAL method. It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is		TVMRMTAFDA	DDPATDNALL	RYNIRQQTPD	KPSPNMFYID
LTVEDKDDPT TGAWRAAYTI INGNPGQSFE IHTNPQTNEG MLSVVKPLDY EISAFHTLLI KVENEDPLVP DVSYGPSSTA TVHITVLDVN EGPVFYPDPM MVTKQENISV GSVLLTVNAT DPDSLQHQTI RYSIYKDPAG WLSINPINGT VDTTAVLDRE SPFVHNSVYT ALFLAIDSGN PPATGTGTL ITLEDINDNA PVIYPTVAEV CDDARNLSVV ILGASDKDLH PNTDPFKFEI HKQTVPDKVW KISKINNTHA LVSLLQNLNK ANYNLPIMVT DSGKPPMTNI TDLRVQVCSC KNSKVDCNGA Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 µg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized prowder. Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Endotoxin Level <1 EU/µg, determined by LAL method. Reconsititution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is		PEKGDIVTVV	SPALLDRETL	ENPKYELIIE	AQDMAGLDVG
MLSVVKPLDY EISAFHTLLI KVENEDPLVP DVSYGPSSTA TVHITVLDVN EGPVFYPDPM MVTKQENISV GSVLLTVNAT DPDSLQHQTI RYSIYKDPAG WLSINPINGT VDTTAVLDRE SPFVHNSVYT ALFLAIDSGN PPATGTGTLL ITLEDINDNA PVIYPTVAEV CDDARNLSVV ILGASDKDLH PNTDPFKFEI HKQTVPDKVW KISKINNTHA LVSLLQNLNK ANYNLPIMVT DSGKPPMTNI TDLRVQVCSC KNSKVDCNGA Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Endotoxin Level It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is		LTGTATATIV	IDDKNDHSPK	FTKKEFQATV	EEGAVGVIVN
T V H I T V L D V N E G P V F Y P D P M M V T K Q E N I S V G S V L L T V N A T D P D S L Q H Q T I R Y S I Y K D P A G WL S I N P I N G T V D T T A V L D R E S P F V H N S V Y T A L F L A I D S G N P P A T G T G T L I T L E D I N D N A P V I Y P T V A E V C D D A R N L S V V I L G A S D K D L H P N T D P F K F E I H K Q T V P D K V W K I S K I N N T H A L V S L L Q N L N K A N Y N L P I M V T D S G K P P M T N I T D L R V Q V C S C K N S K V D C N G A Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Endotoxin Level It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is		LTVEDKDDPT	TGAWRAAYTI	INGNPGQSFE	IHTNPQTNEG
DPDSLQHQTI RYSIYKDPAG WLSINPINGT VDTTAVLDRE SPFVHNSVYT ALFLAIDSGN PPATGTGTLL ITLEDINDNA PVIYPTVAEV CDDARNLSVV ILGASDKDLH PNTDPFKFEI HKQTVPDKVW KISKINNTHA LVSLLQNLNK ANYNLPIMVT DSGKPPMTNI TDLRVQVCSC KNSKVDCNGA Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Endotoxin Level It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is		MLSVVKPLDY	EISAFHTLLI	KVENEDPLVP	DVSYGPSSTA
S P F V H N S V Y T A L F L A I D S G N P P A T G T G T L I T L E D I N D N A P V I Y P T V A E V C D D A R N L S V V I L G A S D K D L H P N T D P F K F E I H K Q T V P D K V W K I S K I N N T H A L V S L L Q N L N K A N Y N L P I M V T D S G K P P M T N I T D L R V Q V C S C K N S K V D C N G A Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Endotoxin Level *1 EU/μg, determined by LAL method. It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is		TVHITVLDVN	EGPVFYPDPM	MVTKQENISV	GSVLLTVNAT
PVIYPTVAEV CDDARNLSVV ILGASDKDLH PNTDPFKFEI HKQTVPDKVW KISKINNTHA LVSLLQNLNK ANYNLPIMVT DSGKPPMTNI TDLRVQVCSC KNSKVDCNGA Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 µg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Endotoxin Level <1 EU/µg, determined by LAL method. Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is		DPDSLQHQTI	RYSIYKDPAG	WLSINPINGT	VDTTAVLDRE
H K Q T V P D K V W D S C K I S K I N N T H A L V S L L Q N L N K A N Y N L P I M V T D S G K P P M T N I T D L R V Q V C S C K N S K V D C N G A Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Endotoxin Level <1 EU/μg, determined by LAL method. Reconstitution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is		SPFVHNSVYT	ALFLAIDSGN	PPATGTGTLL	ITLEDINDNA
Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Endotoxin Level *1 EU/μg, determined by LAL method. It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is		PVIYPTVAEV	CDDARNLSVV	ILGASDKDLH	PNTDPFKFEI
 Biological Activity Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When 5 x 10⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED₅₀ for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Endotoxin Level C1 EU/μg, determined by LAL method. Reconsititution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH₂O. For long term storage it is 		HKQTVPDKVW	KISKINNTHA	LVSLLQNLNK	ANYNLPIMVT
When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Endotoxin Level 1 EU/μg, determined by LAL method. Reconsititution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is		DSGKPPMTNI	TDLRVQVCSC	KNSKVDCNGA	
When 5 x 10 ⁴ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED ₅₀ for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg. Appearance Lyophilized powder. Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Endotoxin Level 1 EU/μg, determined by LAL method. Reconsititution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is					
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Reconsititution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is	Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.			
F6/ 112 112 112 112 112 112 112 112 112 11	Endotoxin Level	<1 EU/µg, determined by LAL method.			
	Reconsititution				

Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Cadherin-13, a calcium-dependent cell adhesion protein, stands out for its unique features in comparison to classical cadherins. Unlike the typical cadherin EC1 domain strand-swapping mechanism for homodimerization, Cadherin-13 achieves this through a distinct homophilic adhesive interface, connecting two elongated EC1-EC2 domains near their Ca2+binding sites. This arrangement forms a tetrahedral, X-like shape, showcasing a different mode of homodimerization. This protein is implicated in potentially acting as a negative regulator of neural cell growth, and its ability to preferentially interact with itself in a homophilic manner suggests a role in contributing to the sorting of heterogeneous cell types within neural tissues.

Caution: Product has not been fully validated for medical applications. For research use only.

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