

Delta-like protein 4/DLL4 Protein, Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P76872
Synonyms:	Delta-like protein 4; Delta4; DLL4
Species:	Rhesus Macaque
Source:	HEK293
Accession:	XP_001099250 (S27-P528)
Gene ID:	704898
Molecular Weight:	Approximately 65 kDa

PROPERTIES

AA Sequence	<pre> S G V F Q L Q L Q E F V N E R G V L A S G R P C E P G C R T F F R V C L K H F Q A V V S P G P C T F G S V S T P V L G T N S F A V R D D S S G G G R N P L Q L P F N F T W P G T F S L I I E A W H A P G D D L R P E A L P P D A L I S K I A I Q G S L A V G Q N W L L D E Q T S T L T R L R Y S Y R V I C S D N Y Y G D N C S R L C K K R N D H F G H Y V C Q P D G N L S C L P G W T G E Y C Q Q P I C L S G C H E Q N G Y C S K P A E C L C R P G W Q G R L C N E C I P H N G C R H G T C S T P W Q C T C D E G W G G L F C D Q D L N Y C T H H S P C K N G A T C S N S G Q R S Y T C T C R P G Y T G V D C E L E L S E C D S N P C R N G G S C K D Q E D G Y H C L C P P G Y Y G L H C E H S T L S C A D S P C F N G G S C R E R N Q G A S Y A C E C P P N F T G S N C E K K V D R C T S N P C A N G G Q C L N R G P S R M C R C R P G F T G T Y C E R H V S D C A R N P C A H G G T C H D L E S G L M C T C P A G F S G R R C E V R T S I D A C A S S P C F N R A T C Y T D L S T D T F V C N C P Y G F V G S R C E F P V G L P P S F P </pre>
Biological Activity	Measured by the ability of the immobilized protein to enhance BMP-2 induced alkaline phosphatase activity in C3H10T1/2 mouse embryonic fibroblast cells. The ED ₅₀ for this effect is 0.1291 µg/mL, corresponding to a specific activity is 7.746×10 ³ units/mg.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCL, 300 mM NaCl, pH 8.0, 5% Glycerol.
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 recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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

delta-like protein 4 negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. delta-like protein 4 is essential for retinal progenitor proliferation, and is required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types. delta-like protein 4 inhibits V2a interneuron fate during spinal cord neurogenesis^{[1][2]}.

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

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