

Contactin-3/CNTN3 Protein, Human (N708D, HEK293, Fc)

Cat. No.:	HY-P72947
Synonyms:	Contactin-3; BIG-1; CNTN3; KIAA1496; PANG
Species:	Human
Source:	HEK293
Accession:	Q9P232 (M1-S1002)
Gene ID:	5067
Molecular Weight:	160-170 kDa

PROPERTIES

AA Sequence

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MMFPWKQLIL    L S F I G C L G G E    L L L Q G P V F I K    E P S N S I F P V G
S E D K K I T L H C    E A R G N P S P H Y    R W Q L N G S D I D    M S M E H R Y K L N
G G N L V V I N P N    R N W D T G T Y Q C    F A T N S L G T I V    S R E A K L Q F A Y
L E N F K T K M R S    T V S V R E G Q G V    V L L C G P P P H S    G E L S Y A W I F N
E Y P S F V E E D S    R R F V S Q E T G H    L Y I S K V E P S D    V G N Y T C V V T S
M V T N A R V L G S    P T P L V L R S D G    V M G E Y E P K I E    V Q F P E T L P A A
K G S T V K L E C F    A L G N P I P Q I N    W R R S D G L P F S    S K I K L R K F S G
V L E I P N F Q Q E    D A G S Y E C I A E    N S R G K N V A R G    R L T Y Y A K P H W
V Q L I K D V E I A    V E D S L Y W E C R    A S G K P K P S Y R    W L K N G A A L V L
E E R T Q I E N G A    L T I S N L S V T D    S G M F Q C I A E N    K H G L V Y S S A E
L K V V A S A P D F    S K N P M K K L V Q    V Q V G S L V S L D    C K P R A S P R A L
S S W K K G D V S V    Q E H E R I S L L N    D G G L K I A N V T    K A D A G T Y T C M
A E N Q F G K A N G    T T H L V V T E P T    R I T L A P S N M D    V S V G E S V I L P
C Q V Q H D P L L D    I I F T W Y F N G A    L A D F K K D G S H    F E K V G G S S S G
D L M I R N I Q L K    H S G K Y V C M V Q    T G V D S V S S A A    D L I V R G S P G P
P E N V K V D E I T    D T T A Q L S W K E    G K D N H S P V I S    Y S I Q A R T P F S
V G W Q T V T T V P    E V I D G K T H T A    T V V E L N P W V E    Y E F R V V A S N K
I G G G E P S L P S    E K V R T E E A V P    E V P P S E V D G G    G G S R S E L V I T
W D P V P E E L Q N    G E G F G Y V V A F    R P L G V T T W I Q    T V V T S P D T P R
Y V F R N E S I V P    Y S P Y E V K V G V    Y N N K G E G P F S    P V T T V F S A E E
E P T V A P S Q V S    A N S L S S S E I E    V S W N T I P W K L    S N G H L L G Y E V
R Y W N G G G K E E    S S S K M K V A G N    E T S A R L R G L K    S N L A Y Y T A V R
A Y N S A G A G P F    S A T V N V T T K K    T P P S Q P P G N V    V W N A T D T K V L
L N W E Q V K A M E    N E S E V T G Y K V    F Y R T S S Q N N V    Q V L N T N K T S A
E L V L P I K E D Y    I I E V K A T T D G    G D G T S S E Q I R    I P R I T S M D A R
G S

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Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm filtered solution of 100 mM Glycine, 10 mM NaCl, 50 mM Tris, pH 7.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.

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.
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

Contactin-3 (CNTN3) is a protein that plays a crucial role in mediating cell surface interactions during nervous system development. Functionally, it exhibits neurite outgrowth-promoting activity, suggesting its involvement in promoting the extension of neuronal processes (By similarity). Additionally, CNTN3 interacts with PTPRG, indicating a potential role in modulating signaling pathways or cellular adhesion during neural development. The complex interplay between Contactin-3 and its interacting partners underscores its significance in the intricate processes of nervous system development, where cell surface interactions and neurite outgrowth are essential for the establishment of functional neural circuits.

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

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