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

Cat. No.:	HY-P74229
Synonyms:	Contactin-3; BIG-1; CNTN3; KIAA1496; PANG
Species:	Human
Source:	HEK293
Accession:	Q9P232 (E20-S1002, N708D)
Gene ID:	5067
Molecular Weight:	Approximately 125-135 kDa due to the glycosylation.

PROPERTIES

AA Sequence

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

Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Huamn CNTN3 is present at 2 μg/mL, can bind Recombinant Human Amyloid Precursor. The ED_{50} for this effect is 0.093 μg/mL.
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.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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	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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA