

CDNF Protein, Human (163a.a, HEK293, His)

Cat. No.:	HY-P70069
Synonyms:	rHuCerebral dopamine neurotrophic factor/CDNF, His ; Cerebral dopamine neurotrophic factor; ARMET-like protein 1; Conserved dopamine neurotrophic factor; ARMETL1
Species:	Human
Source:	HEK293
Accession:	Q49AH0 (Q25-L187)
Gene ID:	441549
Molecular Weight:	17-20 kDa

PROPERTIES

AA Sequence	<p> Q G Q E A G G R P G A D C E V C K E F L N R F Y K S L I D R G V N F S L D T I E K E L I S F C L D T K G K E N R L C Y Y L G A T K D A A T K I L S E V T R P M S V H M P A M K I C E K L K K L D S Q I C E L K Y E K T L D L A S V D L R K M R V A E L K Q I L H S W G E E C R A C A E K T D Y V N L I Q E L A P K Y A A T H P K T E L </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 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 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	<p>CDNF (Cerebral Dopamine Neurotrophic Factor) emerges as a vital trophic factor with a distinctive role in supporting dopamine neurons. Its protective capabilities extend to preventing the degeneration of dopaminergic neurons induced by 6-hydroxydopamine (6-OHDA). Notably, when administered subsequent to 6-OHDA-lesioning, CDNF exhibits the remarkable ability to restore dopaminergic function and effectively thwart the degeneration of neurons within the substantia nigra, underscoring its therapeutic potential in mitigating neurodegenerative processes.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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