

## CDNF Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P70069
<b>Synonyms:</b>	rHuCerebral dopamine neurotrophic factor/CDNF, His ; Cerebral dopamine neurotrophic factor; ARMET-like protein 1; Conserved dopamine neurotrophic factor; ARMETL1
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	Q49AH0-1 (Q25-L187)
<b>Gene ID:</b>	441549
<b>Molecular Weight:</b>	17-23 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           QGQEAGGRPG    ADCEVCKEFL    NRFYKSLIDR    GVNFSLDTIE            KELISFCLDT    KGKENRLCYY    LGATKDAATK    ILSEVTRPMS            VHMPAMKICE    KKKLDSQIC    ELKYEKTLDL    ASVDLRKMRV            AELKQILHSW    GEECRACAEK    TDYVNLIQEL    APKYAATHPK            TEL         </p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years from date of receipt. 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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<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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