

## 32-7935: Recombinant Human Cerebral Dopamine Neurotrophic Factor/CDNF/ARMETL1 (C-6His)(Discontinued)

**Gene :** CDNF  
**Gene ID :** 441549  
**Uniprot ID :** Q49AH0

### Description

Source: Human Cells.

MW :21.7kD.

Recombinant Human CDNF is produced by our Mammalian expression system and the target gene encoding Gln25-Leu187 is expressed with a 6His tag at the C-terminus. Cerebral Dopamine Neurotrophic Factor (CDNF), also known as ARMETL1 (ARMET-like protein 1), is a secreted protein with eight conserved cysteine residues. It belongs to the ARMET family. CDNF/ARMETL1 is an evolutionary conserved protein which can protect and restore the function of dopaminergic neurons in the rat model of Parkinson's disease, suggesting that CDNF might be beneficial for the treatment of Parkinson's disease. CDNF is widely expressed in neurons in several brain regions including cerebral cortex, hippocampus, substantia nigra, striatum and cerebellum. Human CDNF is glycosylated and secreted from transiently transfected cells. CDNF promotes the survival, growth, and function of dopamine-specific neurons and is expressed in brain regions that undergo cocaine-induced neuroplasticity.

### Product Info

<b>Amount :</b>	6His) / 50 µg
<b>Content :</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Storage condition :</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
<b>Amino Acid :</b>	QGQEAGGRPGADCEVCKEFLNRFYKSLIDRGVNFSLDTIEKELISFCLDTKGKENRLCYLGGATKDAATKILSEVT RPMSVHMPAMKICEKLKLDSSQICELKYETLDLASVDLRKMRVAELKQILHSWGEECRACAEKTDYVNLIQEL APKYAATHPKTELHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.