

Recombinant Human Cerebral Dopamine Neurotrophic Factor/CDNF/ARMETL1 Protein(C-6His)

Cat.NO.: TP05007

3th Edition

Synonyms:Cerebral dopamine neurotrophic factor; ARMET-like protein 1; Conserved dopamine neurotrophic factor; ARMETL1

Description:erebral Dopamine Neurotrophic Factor (CDNF), also known as ARMETL1 (ARMET-like protein 1), is a secreted protein with eight conserved cysteine residues.It is belongs to the ARMET family. CDNF/ARMETL1 is a 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.

Form:PBS

Molecular Weight:21.7 kDa

Sequences:Gln25-Leu187

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.