

Recombinant Human CDNF protein

Cat. No. CDNF-256H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDNF was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	163 amino acids
Description	CDNF is a trophic factor for midbrain dopamine neurons in vivo. It prevents the 6-OHDA- (Lindholm et al. 20007; Voutilainen et al., 2011) and MPTP-induced degeneration (Airavaara et al., 2012) of dopamine neurons in rodent models of Parkinson's disease. When administered after 6-OHDA or MPTP –lesioning it restores the dopaminergic function and prevents degeneration of dopamine neurons in substantia nigra pars compacta.
Form	PBS pH 7.4
Molecular Mass	Approximately 18.5 kDa, a single non-glycosylated polypeptide chain containing 163 amino acids.
Endotoxin	Less than 1EU/mg of protein as determined by LAL method.
Storage	Store at -70 centigrade upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles

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Concentration 1 mg/ml Concentration of the protein is determined by BCA Protein Analysis kit (Pierce). BSA was used as a standard.

GENE INFORMATION

Gene Name CDNF cerebral dopamine neurotrophic factor [Homo sapiens]

Official Symbol CDNF

Synonyms CDNF; cerebral dopamine neurotrophic factor; arginine rich, mutated in early stage tumors like 1 , ARMETL1; conserved dopamine neurotrophic factor; ARMET-like protein 1; arginine-rich, mutated in early stage tumors-like 1; ARMETL1;

Gene ID 441549

mRNA Refseq NM_001029954

Protein Refseq NP_001025125

MIM 611233

UniProt ID Q49AH0

Chromosome Location 10p13

Function growth factor activity;

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