

Active Recombinant Human CDNF, His-tagged, Biotinylated

Cat. No. CDNF-591H Lot. No. (See product label)

SPECIFICATION

Product Overview	The recombinant human CDNF is expressed as a 174 amino acid protein consisting of Gln25 - Leu187 region of CDNF (UniProt entry Q49AH0) and a C-terminal poly-Histidine tag.
Species	Human
Source	Human Cells
ProteinLength	25-187 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	CDNF is reported to enhance neurite outgrowth of E18 rat embryonic cortical neurons and increases neurite outgrowth when immobilized at 6 - 24 µg/mL on a nitrocellulose- coated microplate.
Molecular Mass	Calculated molecular mass 19.9 kDa; estimated by SDS-PAGE under reducing condition ~22 kDa with a higher molecular mass band (~25 kDa) resembling a glycosylated state.
AA Sequence	<p>QGQEAGGRPGADCEVCKEFLNRFYKSLIDRGVNFSLDTIEKELISFCLDTKGKENRL CYYLGATKDAATKILSEV TRPMSVHMPAMKICEKLLKLDLSDQICELKYEKTLDLASVDL RKMRVAELKQILHSWGEECRACA EKTDYVNLIQE LAPKYAATHPKTELSTGHHHHH HHH</p>

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Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

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

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Chromosome Location	10p13
Function	growth factor activity;

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