

Datasheet for ABIN2468321 CDNF Protein



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Overview

Quantity:	0.005 mg
Target:	CDNF
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MQEAGGRPGA DCEVCKEFLN RFYKSLIDRG VNFSLDTIEK ELISFCLDTK GKENRLCYYL GATKDAATKI LSEVTRPMSV HMPAMKICEK LKKLDSQICE LKYEKTLDLA SVDLRKMRVA ELKQILHSWG EECRACAECT DYVNLIQELA PKYAATHPKT EL
Characteristics:	Biological activity was determined by its ability to stimulate the proliferation of rat C6 cells. The expected ED50 for this effect is 15-25 µg/mL.
Purity:	< 98 % by SDS-PAGE gel and HPLC analyses.
Endotoxin Level:	Endotoxin level is less than 0.1 ng per µg (1 EU/µg).

Target Details

Target:	CDNF
Alternative Name:	CDNF (CDNF Products)
Background:	CDNF is a secreted neurotrophic factor that is expressed in brain, neuronal and certain non-neuronal tissues. It has been shown to promote survival, growth and function of dopamine

Target Details

specific neurons. CDFN and its structural homolog MANF, each contain an N-terminal saposin-like lipid binding domain, and a carboxyl-terminal domain, which is not homologous to previously characterized protein structures. CDFN and MANF can prevent 6-OHDA induced degeneration of dopaminergic neurons by triggering survival pathways in a rat experimental model of Parkinson disease. Recombinant human CDFN is an 18.5 kDa protein consisting of 162 amino acids including 8 cysteine residues.

Gene ID: 441549

NCBI Accession: [NP_001025125](#)

OMIM: 82880674

UniProt: [Q49AH0](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling Advice: As with any protein, exposing CDFN recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Storage: -20 °C

Storage Comment: The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted CDFN stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.

Expiry Date: 24 months