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32-20056: Recombinant Human CDNF(Discontinued)

Reactivity : mouse
Alternative Name : Cerebral Dopamine Neurotrophic Factor, ARMETL1

Description

Source:E.coliCDNF 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-specific neurons. CDNF 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. CDNF and MANF can prevent 6-OHDA-induced degeneration of dopaminergic neurons by triggering survival pathways in a rat experimental model of Parkinson's disease. Recombinant Human CDNF is an 18.5 kDa protein consisting of 162 amino acids, including 8 cysteine residues.

Product Info

Amount : 5 µg / 25 µg
Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : MQEAGGRPGA DCEVCKEFLN RFYKSLIDRG VNFSLDTIEK ELISFCLDTK GKENRLCYYL GATKDAATKI LSEVTRPMSV HMPAMKICEK LKKLDSQICE LKYEKTLDLA SVDLRKMRVA ELKQILHSWG EECRACAEKT DYVNLIQELA PKYAATHPKT EL

Application Note

Determined by its ability to stimulate the proliferation of rat C6 cells. The expectedÃ□Â ED_{50}Ã□Â for this effect is 15-25 Ã□Âµg/ml.