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32-20520: Recombinant Human MANF(Discontinued)

Reactivity : Rat

Alternative Name : Mesencephalic Astrocyte-derived Neurotrophic Factor, ARMET, Arginine-rich protein (ARP)

Description

Source:E.coliMANF is a secreted neurotrophic factor that is expressed in brain, neuronal and certain non-neuronal tissues. It has been shown to promote the survival, growth and function of dopamine-specific neurons. MANF and its structural homolog CDNF each contain a N-terminal, saposin-like, lipid-binding domain, and a carboxyl-terminal domain that is not homologous to previously characterized protein structures. MANF and CDNF can prevent 6-OHDA-induced degeneration of dopaminergic neurons by triggering survival pathways in a rat experimental model of Parkinson's disease. Recombinant Human MANF is an 18.1 kDa protein consisting of 158 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 : LRPGDCEVCI SYLGRFYQDL KDRDVTFSPA TIENELIKFC REARGKENRL CYYIGATDDA ATKIINEVSK PLAHHIPVEK ICEKLKKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKIL DDWGETCKGC AEKSDYIRKI NELMPKYAPK AASARTDL

Application Note

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