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Recombinant Human MANF
Catalog # PBG10279

Specification

Recombinant Human MANF - Product Information

Recombinant Human MANF - Additional Information

Description
MANF 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. MANF and its structural homolog CDNF, each contain an N-terminal saposin-like lipid binding domain, and a carboxyl-terminal domain, which 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 disease. Recombinant human MANF is an 18.1 kDa protein consisting of 158 amino acids including 8 cysteine residues.

BiologicalActivity
Determined by its ability to stimulate the proliferation of rat C6 cells. The expected ED₅₀ for this effect is 15-25 µg/ml.

Authenticity
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content
Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage
-20°C

Precautions
Recombinant Human MANF is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human MANF - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

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- Flow Cytomety
- Cell Culture

Recombinant Human MANF - Images