

Active Recombinant Human MANF Protein

Cat. No. MANF-702H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MANF protein was expressed from CHO-based cell line and purified by QMCF Technology.
Species	Human
Source	CHO
Description	MANF is a trophic factor for midbrain dopamine neurons in vivo. It prevents the 6-OHDA- induced degeneration of dopamine neurons in rodent models of Parkinson's disease. When administered after 6-OHDA-lesioning it restores the dopaminergic function and prevents degeneration of dopamine neurons in substantia nigra pars compacta.
Form	PBS pH 7.4.
Bio-activity	Protein is biologically active. Suitable for cell culture and in vivo testing. Human recombinant MANF has been tested in rat 6-OHDA model of Parkinson's disease and shown neuroprotection and neurorestoration. MANF has also shown neuroprotection in animal models of stroke.
Molecular Mass	Approximately 18.1 kDa, a single non-glycosylated polypeptide chain containing 158 amino acids.
Endotoxin	Less than 1EU/mg of protein as determined by LAL method.

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Storage Store at -70 centigrade upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles.

Concentration 1 mg/ml

GENE INFORMATION

Gene Name mesencephalic astrocyte derived neurotrophic factor

Official Symbol MANF

Synonyms Mesencephalic astrocyte-derived neurotrophic factor – MANF; ARMET; ARP

Gene ID 7873

mRNA Refseq NM_006010.4

Protein Refseq NP_006001.3

MIM 601916

UniProt ID P55145

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