

Active Recombinant Human MANF, His-tagged, Biotinylated

Cat. No. MANF-639H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human MANF protein is expressed as a 169 amino acid protein consisting of Leu22 - Leu179 region of MANF and a C-terminal poly-Histidine tag.
Species	Human
Source	Human Cells
ProteinLength	22-179 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	MANF is reported to promote the survival and to stimulate neurite outgrowth of rat embryonic cortical neurons with a typical ED50 of 0.7 - 2.8 µg/ml.
Molecular Mass	Calculated molecular mass 19.5 kDa; estimated by SDS-PAGE under reducing condition ~22 kDa with higher molecular mass smear probably due to glycosylation.
AA Sequence	LRPGDCEVCISYLGRFYQDLKDRDVTFSPTIENELIKFCREARGKENRLCYYIGATD DAATKIINEVSKPLAHH IPVEKICEKLKKKDSQICELKYDKQIDLSTVDLKKLRVKELKK ILDDWGETCKGCAEKSDYIRKINELMPKYAP KAASARTDLSTGHHHHHHHH
Endotoxin	<0.1 eu="" per="" 1="" µg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lab="">

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Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin
GENE INFORMATION	
Gene Name	MANF mesencephalic astrocyte-derived neurotrophic factor [Homo sapiens]
Official Symbol	MANF
Synonyms	MANF; mesencephalic astrocyte-derived neurotrophic factor; arginine rich, mutated in early stage tumors , ARMET; ARP; arginine-rich, mutated in early stage tumors; ARMET; MGC142148; MGC142150;
Gene ID	7873
mRNA Refseq	NM_006010
Protein Refseq	NP_006001
MIM	601916
UniProt ID	P55145
Chromosome	3p21.1

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Location**Function**

growth factor activity; molecular_function;

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