

## Active Recombinant Human MANF, His-tagged, Biotinylated

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	22-179 a.a.
<b>Form</b>	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).
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	Calculated molecular mass 19.5 kDa; estimated by SDS-PAGE under reducing condition ~22 kDa with higher molecular mass smear probably due to glycosylation.
<b>AA Sequence</b>	LRPGDCEVCISYLGRFYQDLKDRDVTFSPTIENELIKFCREARGKENRLCYIGATD DAATKIINEVSKPLAHH IPVEKICEKLKKKDSQICELKYDKQIDLSTVDLKKLRVKELKK ILDDWGETCKGCAEKSDYIRKINELMPKYAP KAASARTDLSTGHHHHHHHH
<b>Endotoxin</b>	<0.1 eu per 1 µg of purified recombinant protein determined by the lal>

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<b>Purity</b>	>95% judged by SDS-PAGE under reducing condition
<b>Storage</b>	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.
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MANF mesencephalic astrocyte-derived neurotrophic factor [ Homo sapiens ]
<b>Official Symbol</b>	MANF
<b>Synonyms</b>	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;
<b>Gene ID</b>	7873
<b>mRNA Refseq</b>	NM_006010
<b>Protein Refseq</b>	NP_006001
<b>MIM</b>	601916
<b>UniProt ID</b>	P55145
<b>Chromosome</b>	3p21.1

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**Location**

**Function**

growth factor activity; molecular\_function;

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