

## Active Recombinant Human MANF, His-tagged

Cat. No. MANF-429H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MANF (Accession # ACE87065) Leu22-Leu179, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	22-179 a.a.
<b>Predicted N Terminal</b>	Leu22
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to support the survival and stimulate neurite outgrowth of rat embryonic cortical neurons. The ED50 for this effect is typically 0.7-2.8 µg/mL.
<b>Molecular Mass</b>	Recombinant Human MANF, His-tagged has a calculated MW of 19.0 kDa. In SDS-PAGE migrates as 20.4 kDa, reducing conditions.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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## GENE INFORMATION

<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 Location</b>	3p21.1

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