

Recombinant Human MANF protein

Cat. No. MANF-192H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MANF was expressed in E. coli.
Species	Human
Source	E.coli
Description	MANF is a neurotrophic factor found mainly in central nervous tissues where it may remain localized to the endoplasmic reticulum/Golgi apparatus, or secreted. It has been shown that MANF plays an important role in protecting cells against tunicamycin and thapsigargin -induced cell death. Without MANF, cells become increasingly vulnerable to the aforementioned drugs. Also, MANF is structurally homologous to CDNF.
Form	Lyophilized from a 0.2 µm filtered solution in PBS
Molecular Mass	18.4 kDa
Endotoxin	<1.0 EU/µg of recombinant protein as determined by the LAL method.
Purity	95%
Applications	Cell Assay
Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at 2

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centigrade- 8 centigrade for one month, or at -20 centigrade for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

Reconstitution Reconstitute at 200 µg/mL in PBS

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](#)

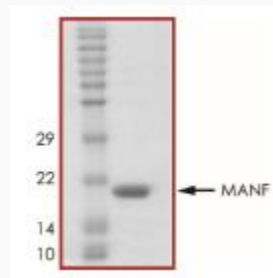
Chromosome Location 3p21.1

Function growth factor activity; molecular_function;

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