

Recombinant Human MANF Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MANF-4636H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MANF MS Standard C13 and N15-labeled recombinant protein (NP_006001) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is localized in the endoplasmic reticulum (ER) and golgi, and is also secreted. Reducing expression of this gene increases susceptibility to ER stress-induced death and results in cell proliferation. Activity of this protein is important in promoting the survival of dopaminergic neurons. The presence of polymorphisms in the N-terminal arginine-rich region, including a specific mutation that changes an ATG start codon to AGG, have been reported in a variety of solid tumors; however, these polymorphisms were later shown to exist in normal tissues and are thus no longer thought to be tumor-related.
Molecular Mass	21.6 kDa
AA Sequence	MRRMRRMWATQGLAVALALSVLPGSRALRPGDCEVCISYLGRFYQDLKDRDVTFS PATIENELIKFCREARGKENRLCYIGATDDAATKIINEVSKPLAHHIPVEKICEKLKKK DSQICELKYDKQIDLSTVDLKKLRVKELKKILDDWGETCKGCAEKSDYIRKINELMPK YAPKAASARTDLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

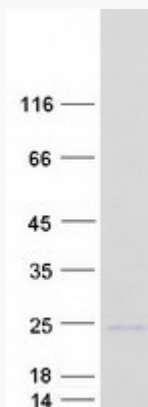
GENE INFORMATION

Gene Name	MANF mesencephalic astrocyte-derived neurotrophic factor [Homo sapiens (human)]
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

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SDS-PAGE

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