

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

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

## SPECIFICATION

<b>Product Overview</b>	MANF MS Standard C13 and N15-labeled recombinant protein (NP_006001) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	21.6 kDa
<b>AA Sequence</b>	MRRMRRMWATQGLAVALALSVLPGSRALRPGDCEVCISYLGRFYQDLKDRDVTFS PATIENELIKFCREARGKENRLCYIGATDDAATKIINEVSKPLAHHIPVEKICEKLNK DSQICELKYDKQIDLSTVDLKKLRVKELKKILDDWGETCKGCAEKSDYIRKINELMPK YAPKAASARTDLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MANF mesencephalic astrocyte-derived neurotrophic factor [ Homo sapiens (human) ]
<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

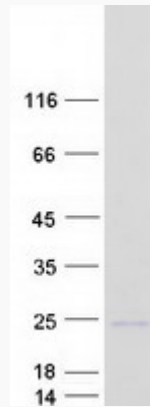
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SDS-PAGE



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