

Recombinant Full Length Human MANF Protein, GST-tagged

Cat. No. MANF-1062HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human ARMET full-length ORF (AAH07282.1, 1 a.a. - 182 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 182 amino acids

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. [provided by RefSeq, Apr 2014]

Molecular Mass 45.65 kDa

AA Sequence
MRRMWATQGL AVALALSVLP GSRALRPGDC EVCISYLGRF YQDLKDRDVT
FSPATIENEL IKFCREARGK ENRLCYIGA TDDAATKIIN EVSKPLAHHI
PVEKICEKLV KKDSQICELK YDKQIDLSTV DLKCLRKEL KKILDDWGET
CKGCAEKSDY IRKINELMPK YAPKAASART DL

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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