

## Product datasheet for **TP721225M**

### ARMET (MANF) (NM\_006010) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human mesencephalic astrocyte-derived neurotrophic factor (MANF)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Asp20-Tyr337
Tag:	C-His
Predicted MW:	19.2 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_006001</a>
Locus ID:	7873
UniProt ID:	<a href="#">P55145</a> , <a href="#">A8K878</a>
RefSeq Size:	993
Cytogenetics:	3p21.2
RefSeq ORF:	555
Synonyms:	ARMET; ARP



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**Summary:**

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]

**Protein Families:**

Druggable Genome, Secreted Protein