

Product datasheet for PH321555

ARMET (MANF) (NM_006010) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MANF MS Standard C13 and N15-labeled recombinant protein (NP_006001)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221555
Predicted MW:	21.6 kDa
Protein Sequence:	>RC221555 representing NM_006010 Red=Cloning site Green=Tags(s) MRRMRMWATQGLAVALALSVLPGSRALRPGDCEVCISYLGRFYQDLKDRDVTFSPATIENELIKFCREA RGKENRLCYYIGATDDAATKIINEVSKPLAHHIPVEKICEKLLKKKDSQICELKYDKQIDLSTVDLKKLRV KELKKILDDWGETCKGCAEKSDYIRKINELMPKYAPKAASARTDL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006001
RefSeq Size:	993
RefSeq ORF:	555
Synonyms:	ARMET; ARP
Locus ID:	7873
UniProt ID:	P55145 , A8K878



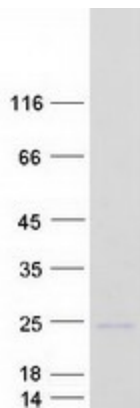
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Cytogenetics: 3p21.2

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

Product images:



Coomassie blue staining of purified MANF protein (Cat# [TP321555]). The protein was produced from HEK293T cells transfected with MANF cDNA clone (Cat# [RC221555]) using MegaTran 2.0 (Cat# [TT210002]).