

## Product datasheet for **SC122734**

### ARMET (MANF) (NM\_006010) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARMET (MANF) (NM\_006010) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ARMET  
**Synonyms:** ARMET; ARP  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_006010 edited  
GGATGAGGAGGATGTGGCCACGCAGGGGCTGGCGTGGCTGGCTCTGAGCGTCTGC  
CGGCAGCCGGCGCTGCGCCGGGCGACTGCGAAGTTTGTATTTCTTATCTGGGAAGAT  
TTTACCAGGACCTCAAAGACAGAGATGTCACATTCTCACCAGCCACTATTGAAAACGAAC  
TTATAAAGTTCTGCCGGGAAGCAAGAGGCAAAGAGAATCGGTTGTGCTACTATATCGGGG  
CCACAGATGATGCAGCCACAAAATCATCAATGAGGTATCAAAGCCTCTGGCCACCACA  
TCCCTGTGGAGAAGATCTGTGAGAAGCTTAAGAAGAAGGACAGCCAGATATGTGAGCTTA  
AGTATGACAAGCAGATCGACCTGAGCACAGTGGACCTGAAGAAGCTCCGAGTTAAAGAGC  
TGAAGAAGATTCTGGATGACTGGGGGAGACATGCAAAGGCTGTGCAGAAAAGTCTGACT  
ACATCCGGAAGATAAATGAACTGATGCCTAAATATGCCCCAAGGCAGCCAGTGCACGGA  
CCGATTTGTAGTCTGCTCAATCTCTGTTGCACCTGAGGGGGAAAAACAGTTCAACTGCT  
TACTCCAAAACAGCCTTTTTGTAAATTTATTTTTTAAGTGGGCTCCTGACAATACTGTAT  
CAGATGTGAAGCCTGGAGCTTTCCTGATGATGCTGGCCCTACAGTACCCCATGAGGGGA  
TTCCCTTCTTCTGTTGCTGGTGTACTCTAGGACTTCAAAGTGTGTCTGGGATTTTTTTA  
TTAAAGAAAAAAATTTCTAGCTGTCCTTGCAAGATTATAGTGAATACCAAAATGGGGTT  
TTGCCCCAGGAGGCTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006010 unedited NNNNNGGAGTTCAGAATATTTGTNAATACGNATTCCTACTATNAGGGACGGCCGCGAATTCG CACGAGGGGATGAGGAGGATGTGGGCCACGCAGGGGCTGGCGGTGGCGCTGGCTCTGAGC GTGCTGCCGGGCAGCCGGGCGCTGCGGCCGGGCGACTGCGAAGTTTGTATTTCTTATCTG GGAAGATTTTACCAGGACCTCAAAGACAGAGATGTCACATTCTCACCAGCCACTATTGAA AACGAACTTATAAAGTTCTGCCGGAAGCAAGAGGCAAAGAGAATCGGTTGTGCTACTAT ATCGGGGCCACAGATGATGCAGCCACCAAAATCATCAATGAGGTATCAAAGCCTCTGGCC CACCACATCCCTGTGGAGAAGATCTGTGAGAAGCTTAAGAAGAAGGACAGCCAGATATGT GAGCTTAAGTATGACAAGCAGATCGACCTGAGCACAGTGGACCTGAAGAAGCTCCGAGTT AAAGAGCTGAAGAAGATTCTGGATGACTGGGGGAGACATGCAAAGGCTGTGCAGAAAAG TCTGACTACATCCGGAAGATAAATGAACTGATGCCTAAATATGCCCCCAAGGCAGCCAGT GCACGGACCGATTGTAGTCTGCTCAATCTCTGTTGCACCTGAGGGGGAAAAACAGTTC AACTGCTTACTCCAAAACAGCCTTTTTGTAATTTATTTTTAAGTGGGCTCCTGACAAT ACTGTATCAGATGTGAAGCCTGGAGCTTTCCTGATGATGCTGGCCCTACAGTACCCCAT GAGGGGATTCCTTCCTTCTGTTGCTGGTACTCTAGGACTTCAAAGTGTGTCTGGGGA TTTTTTTATTAAGAAAAAAATTTCTAGCTGCTTGCAGAATTATAGTGAATACCAA TGGGGTN
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_006010
<b>Insert Size:</b>	889 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006010.2</a> , <a href="#">NP_006001.2</a>
<b>RefSeq Size:</b>	875 bp
<b>RefSeq ORF:</b>	558 bp
<b>Locus ID:</b>	7873
<b>UniProt ID:</b>	<a href="#">P55145</a>
<b>Cytogenetics:</b>	3p21.2
<b>Protein Families:</b>	Druggable Genome, Secreted Protein

**Gene 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]