

Product datasheet for MC207705

Aifm2 (NM_153779) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aifm2 (NM_153779) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aifm2
Synonyms:	5430437E11Rik; Amid; D730001110Rik; PRG3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207705 representing NM_153779 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGTCCCAGGTCTCGGTGGATACAGGAGCCGTGCACGTGGTATCGTGGCGGGGGCTTCGGAGGGA
TAGCGGCTGCCAGCCAGCTGCAGGCGTGAATGTCCCTTCATGCTGGTGGATATGAAGGACTCCTTCCA
CCACAATGTGGCAGCCCTCCGGGCTCCGTGGAGAGCGGGTTCGCCAAAAGACATTCATTTCTGACTCT
GGACCTCAAGGACAATTCCGCCAGGCAAGTGATTGGCATAGACTGAAGAACCAGGATGGTGTTC
TACAGGTGGCGAGGCCCTTGCCCTTCTCACATCTTATCCTGGCCACAGGCAGCACCGGACCTTCCCTGG
CAAGTTTAAACGAGGTGTCTGCCAGCAGGCAGCCATCCAGGCCTATGAGGACATGGTGAAGCAGATCCAG
CGCTCACAAATTCATCGTGGTGGTGGGAGGCGGCTCTGCAGGAGTAGAGATGGCAGCAGAGATTAACCCG
AGTACCCTGAGAAGGAGGTCACTCTTATCCACTCCAGAGTACCCCTGGCCGACAAGGAACCTCGCCCTG
TGTGGCGCAGGAAGTGAAGGAGATCCTCCTCCGGAAGGGTGTGCAGCTGCTGCTGAGTGAGCGGGTGA
AACCTGGAGGAACCTCGCAATGAGTATCGGGAGTACATCAAGTGGAGACAGACAAGGGCACGGAGG
TGGCCACCAACATGGTGATTGTGTGCAATGGGATCAAGATCAACAGCTCTGCCTACCGCAGTGCAATTTGA
GAGTAGGCTGGTAGCAATGGTGTCTGAAAGTGAACGAGTTCCTCCAGGTGGAAGGTTACAGCAATATT
TATGCCATTGGTACTGTGCCGATACCAAGGAGCCCAAGATGGCCTACCACGCTGGCCTGCATGCCAATG
TTGCCGTGGCCAACATCGTCAACTCCATGAAGCAGAGGCCACTCAAAGCTTACAAGCCAGAGACTGACCA
ACCACCGGCAGCTTTGTCCCGGCTCTGCTGCTGTGGACACCAGCCAGGAAGCTCACCTCTCTGAGGGA
AGGATCAACTACCTGCAGGAAGCCGCCATGTGAGAACTCTACAGAGCATGGCGGGACTCTTCAGTGACA
GGCCTTGTATTCTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_153779
Insert Size:	1143 bp
OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_153779.2</u> , <u>NP_722474.2</u>
RefSeq Size:	1351 bp
RefSeq ORF:	1143 bp
Locus ID:	71361
UniProt ID:	<u>Q8BUE4</u>
Cytogenetics:	10 B4
Gene Summary:	<p>Oxidoreductase, which may play a role in mediating a p53/TP53-dependent apoptosis response. Probable oxidoreductase that acts as a caspase-independent mitochondrial effector of apoptotic cell death (By similarity). May contribute to genotoxin-induced growth arrest.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) has an alternate 5' UTR exon and lacks the penultimate exon, resulting in a downstream stop codon, compared to variant 4. The resulting isoform (1) is longer and has a distinct C-terminus, compared to isoform 2.</p>