

Product datasheet for **MC227338**

Aifm2 (NM_001284300) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aifm2 (NM_001284300) 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: >MC227338 representing NM_001284300
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGTCCCAGGTCTCGGTGGATACAGGAGCCGTGCACGTGGTATCGTGGCGGGGGCTTCGGAGGGA
TAGCGGCTGCCAGCCAGCTGCAGGCGTGAATGTCCCTTCATGCTGGTGGATATGAAGGACTCCTTCCA
CCACAATGTGGCAGCCCTCCGGGCTCCGTGGAGAGCGGGTTCGCCAAAAGACATTCATTTCTGACTCT
GGACCTCAAGGACAATCCGCCAGGGCAAAGTGATTGGCATAGACTGAAGAACCGGATGGTGTTC
TACAGGTGGCGAGGCCCTTGCCCTTCTCACATCTTATCCTGGCCACAGGCAGCACCGGACCTTCCCTGG
CAAGTTTAAACGAGGTGTCTGCCAGCAGGCAGCCATCCAGGCCTATGAGGACATGGTGAAGCAGATCCAG
CGCTCACAAATTCATCGTGGTGGTGGGAGGCGGCTCTGCAGGAGTAGAGATGGCAGCAGAGATTAACCCG
AGTACCCTGAGAAGGAGGTCACTCTTATCCACTCCAGAGTACCCCTGGCCGACAAGGAATCCTGCCCTG
TGTGGCGCAGGAAGTGAAGGAGATCCTCCTCCGGAAGGGTGTGCAGCTGCTGCTGAGTGAGCGGGTGA
AACCTGGAGGAATGCCTCGCAATGAGTATCGGGAGTACATCAAGTGGAGACAGACAAGGGCACGGAGG
TGGCCACCAACATGGTGATTGTGTGCAATGGGATCAAGATCAACAGCTCTGCCTACCGCAGTGCAATTTGA
GAGTAGGCTGGCTAGCAATGGTGTCTGAAAGTGAACGAGTTCCCTCCAGGTGGAAGGTTACAGCAATATT
TATGCCATTGGTACTGTGCCGATACCAAGGAGCCCAAGATGGCCTACCACGCTGGCCTGCATGCCAATG
TTGCCGTGGCCAACATCGTCAACTCCATGAAGCAGAGGCCACTCAAAGCTTACAAGCCAGGTGCGCTGAC
ATTCCTCTGTCCATGGGCAGAAATGATGGCGTGGGTGAGATCAGTGGCTTCTACGTAGGCCGCTCATG
GTGCGGCTGGCCAAGAGCAGGGACCTTCTCATCTCCACAAGCTGGAAAACCATGCGGCAGTCTCCACCGT
GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001284300
Insert Size:	1122 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001284300.1</u> , <u>NP_001271229.1</u>
RefSeq Size:	1534 bp
RefSeq ORF:	1122 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 (4) encodes the shorter isoform (2). Variants 2, 3 and 4 encode the same isoform (2).</p>