

## Product datasheet for **MC227339**

### Aifm2 (NM\_178058) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aifm2 (NM\_178058) 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:** >MC227339 representing NM\_178058  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGTCCCAGGTCTCGGTGGATACAGGAGCCGTGCACGTGGTATCGTGGCGGGGGCTTCGGAGGGA  
 TAGCGGCTGCCAGCCAGCTGCAGGCGTGAATGTCCCTTCATGCTGGTGGATATGAAGGACTCCTTCCA  
 CCACAATGTGGCAGCCCTCCGGGCTCCGTGGAGAGCGGGTTCGCCAAAAGACATTCATTTCTGACTCT  
 GCGACCTCAAGGACAATTCCGCCAGGGCAAAGTGATTGGCATAGACTGAAGAACCAGGATGGTGTTC  
 TACAGGTGGCGAGGCCCTTGCCCTTCTCACATCTTATCCTGGCCACAGGCAGCACCGGACCTTCCTCG  
 CAAGTTTAAACGAGGTGTCTGCCAGCAGGCAGCCATCCAGGCCTATGAGGACATGGTGAAGCAGATCCAG  
 CGCTCACAAATTCATCGTGGTGGTGGGAGGCGGCTCTGCAGGAGTAGAGATGGCAGCAGAGATTAACCCG  
 AGTACCCTGAGAAGGAGGTCACTCTTATCCACTCCAGAGTACCCCTGGCCGACAAGGAACCTCGCCCTG  
 TGTGGCGCAGGAAGTGAAGGAGATCCTCCTCCGGAAGGGTGTGCAGCTGCTGCTGAGTGAGCGGGTGA  
 AACCTGGAGGAACCTCGCAATGAGTATCGGGAGTACATCAAGTGGAGACAGACAAGGGCACGGAGG  
 TGGCCACCAACATGGTGATTGTGTGCAATGGGATCAAGATCAACAGCTCTGCCTACCGCAGTGCAATTTGA  
 GAGTAGGCTGGCTAGCAATGGTGTCTGAAAGTGAACGAGTTCCCTCCAGGTGGAAGGTTACAGCAATATT  
 TATGCCATTGGTACTGTGCCGATACCAAGGAGCCCAAGATGGCCTACCACGCTGGCCTGCATGCCAATG  
 TTGCCGTGGCCAACATCGTCAACTCCATGAAGCAGAGGCCACTCAAAGCTTACAAGCCAGGTGCGCTGAC  
 ATTCCTCTGTCCATGGGCAGAAATGATGGCGTGGGTGAGATCAGTGGCTTCTACGTAGGCCGCTCATG  
 GTGCGGCTGGCCAAGAGCAGGGACCTTCTCATCTCCACAAGCTGGAAAACCATGCGGCAGTCTCCACCGT  
 GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_178058
<b>Insert Size:</b>	1122 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_178058.4</a></u> , <u><a href="#">NP_835159.1</a></u>
<b>RefSeq Size:</b>	1490 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	71361
<b>UniProt ID:</b>	<u><a href="#">Q8BUE4</a></u>
<b>Cytogenetics:</b>	10 B4
<b>Gene Summary:</b>	<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 (2) has an alternate 3' UTR exon, compared to variant 4. Variants 2, 3 and 4 encode the same isoform (2).</p>