

Product datasheet for MC211177

Aifm2 (NM_001039194) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aifm2 (NM_001039194) 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: >MC211177 representing NM_001039194
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGTCCCAGGTCTCGGTGGATACAGGAGCCGTGCACGTGGTATCGTGGGCGGGGGCTTCGGAGGGA
 TAGCGGCTGCCAGCCAGCTGCAGGCGTGAATGTCCCTTCATGCTGGTGGATATGAAGGACTCCTTCCA
 CCACAATGTGGCAGCCCTCCGGGCTCCGTGGAGAGCGGGTTCGCCAAAAGACATTCATTTCTGACTCT
 GCGACCTCAAGGACAATTCCGCCAGGGCAAAGTGATTGGCATAGACTGAAGAACCGGATGGTGTTC
 TACAGGTGGCGAGGCCCTTGCCTTCTCACATCTTATCCTGGCCACAGGCAGCACCGGACCTTCCCTGG
 CAAGTTTAAACGAGGTGTCTGCCAGCAGGCAGCCATCCAGGCCTATGAGGACATGGTGAAGCAGATCCAG
 CGCTCACAAATTCATCGTGGTGGTGGGAGGCGGCTCTGCAGGAGTAGAGATGGCAGCAGAGATTAACCCG
 AGTACCCTGAGAAGGAGGTCACTCTTATCCACTCCAGAGTACCCCTGGCCGACAAGGAACCTCGCCCTG
 TGTGGCGCAGGAAGTGAAGGAGATCCTCCTCCGGAAGGGTGTGCAGCTGCTGCTGAGTGAGCGGGTGA
 AACCTGGAGGAACCTGCCTCGCAATGAGTATCGGGAGTACATCAAGTGGAGACAGACAAGGGCACGGAGG
 TGGCCACCAACATGGTGATTGTGTGCAATGGGATCAAGATCAACAGCTCTGCCTACCGCAGTGCAATTTGA
 GAGTAGGCTGGCTAGCAATGGTGTCTGAAAGTGAACGAGTTCCCTCCAGGTGGAAGGTTACAGCAATATT
 TATGCCATTGGTACTGTGCCGATACCAAGGAGCCCAAGATGGCCTACCACGCTGGCCTGCATGCCAATG
 TTGCCGTGGCCAACATCGTCAACTCCATGAAGCAGAGGCCACTCAAAGCTTACAAGCCAGGTGCGCTGAC
 ATTCCTCTGTCCATGGGCAGAAATGATGGCGTGGGTGAGATCAGTGGCTTCTACGTAGGCCGCTCATG
 GTGCGGCTGGCCAAGAGCAGGGACCTTCTCATCTCCACAAGCTGGAAAACCATGCGGCAGTCTCCACCGT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001039194
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).
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_001039194.3, NP_001034283.1</u>
RefSeq Size:	3152 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 (3) has an additional segment in the 3' UTR region, compared to variant 4. Variants 2, 3 and 4 encode the same isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>