

Product datasheet for **MC228445**

Aifm3 (NM_001291070) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aifm3 (NM_001291070) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aifm3
Synonyms:	2810401C16Rik; AI840249; Aifl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228445 representing NM_001291070
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCGGCTGCTTCTCCAAGCCCAAGCCAGTGGAGCTCAAGATTGAAGTGGTGTCTGCCAGAGAAGAGC
 GGGCAAGGAGGAGCTGTCAAGCCAGCGAAAGGGCAGCCCCGGGTTACCAGGGCAACGGCACAGCACG
 CCACTTCCATGCTGAAGAGCGGCTGCCACCCCAACCCATCCAGCCCTCAGACTGTGTGGAGGCT
 ACTGTCTGCCATGTCAAGGACCTCGAGAATGGCCAGATGCGGGAAGTGGAGCTGGGCTGGGAAAGGTGT
 TGCTGGTGAAGGACAATGGGGAATTCATGCCCTGGCCATAAGTGTCTCACTATGGAGCGCCCTGGT
 GAAAGGTGTACTGTCCCGGGGACGTGTGCGCTGCCCTGGCATGGTGCCTGCTTCAACATTAGTACTGGG
 GACCTAGAGGACTTCCAGGCCGACAGCCTGCATAAGTCCAGGTGAAGATTGAGAAGGAGAAGGTGA
 CCATTCGGCAAGCAAGCAGGCCCTGCAGCTACAGCGGAGGACAAAGGTGATGGCCAAGTGTATCTCTCC
 AAGTGTCTGCCACAGCAGTAGCACCAACGTGCTCATAGTGGGTGCAGGTGCTGCTGGCCTAGTGTGTGCA
 GAAACTGAGGCAAGGAGGGCTTCTCAGACCGGATTGTCCTTTGCACACTGGATCGACATCTGCCCTATG
 ACCGGGCCAAGCTCAGCAAGTCCCTGGATGCACAACCCGAACAGCTGGCCCTGAGACCCAAGGAATCTT
 CCGGGCTATGGCATTGAGATGCTCACTGAGGCTCAGGTAGTACAGTGGACGTGAGAAAAGAAGGTT
 GTGTTCAAGGATGGCTTCAAGCTAGAGTACAGCAAGCTGCTGCTGGCACCAGGAAGTAGCCCTAAGACCC
 TGACCTGCAAAGGGAAAGATGTAGAGAAATGTTTACCATTGCGACGCCCCGAGGATGCCAACCGCGTGT
 GCGGCTCGCCCGGGCCCAATGCTGTTGTTGTGGGAGCAGGCTTCTGGGAATGGAGGTTGCTGCTTAT
 CTGACTGAGAAAGCCCACTCAGTATCCGTGGTAGAGCTGGAGGAGACACCCTCCGGAGGTTCTGGGGG
 AACGTGTTGGTCTGCACTTATGAAGATGTTTAAAAACAACCGGGTGAAGTTCTATATGCAGACAGAGGT
 GTCAGAGTTGCGGGCTCAAGAGGGCAAGCTGCAGGAGGTGGTGTGAAGAGCAGCAAAGTCTGCGAGCA
 GATGTCTGCGTGTAGGCATTGGTGCAGTGCCTGCCACAGGCTTCTGAGGCAGAGTGGCATTGGTCTGG
 ATTCCCGAGGTTTCATCCAGTCAACAAGATGATGCAGACCAACGTCACAGGAGTGTGCTGCAGGTGA
 TGCTGTACCTTTCTCTGCTGGAGGAACAATCGGAAAGTGAACATCCACACTGGCAGATGGCTCAC
 GCCCAGGGGCGGGTAGCAGCTCAGAACATGCTGGCACAGGAGGCTGAGATCAACACGGTACCCTATCTGT
 GGACTGCCATGTTGCGCAAAAGCCTTCGCTATGCTGGCTACGGAGAAGGCTTCGATGATGCATCATTCA
 GGGGATCTGGAGGAGCTGAAGTTGTGGCTTTTATAACAAAAGTGACGAAGTATTGCTGTGGCCAGC
 ATGAACTACGATCCCATCGTATCCAAGGTGGCTGAGGTGCTAGCCTCAGGTGAGCCATCCGGAAGCGGG
 AGGTGGAGTTGTTATGCTACACAGCAAACCGGTGACATGTCTGGCTCACAGGAAAAGGATCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001291070
- Insert Size:** 1818 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_001291070.1</u> , <u>NP_001277999.1</u>
RefSeq Size:	2302 bp
RefSeq ORF:	1818 bp
Locus ID:	72168
UniProt ID:	<u>Q3TY86</u>
Cytogenetics:	16 A3
Gene Summary:	Induces apoptosis through a caspase dependent pathway. Reduces mitochondrial membrane potential (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).