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Product datasheet for MC219488

Aifm3 (NM_175178) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aifm3 (NM_175178) 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:

>MC219488 representing NM_175178
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCGGCTGCTTCTCCAAGCCCAAGCCAGTGGAGCTCAAGATTGAAGTGGTGCTGCCAGAGAAAGAGC
GGGGCAAGGAGGAGCTGTCAGCCAGCGGAAAGGGCAGCCCCCGGGGTTACCAGGGCAACGGCACAGCACG
CCACTTCCATGCTGAAGAGCGGCTGCCCACCCCACAACCCTATCCCAGCCCTCAGGACTGTGTGGAGGCT
ACTGTCTGCCATGTCAAGGACCTCGAGAATGGCCAGATGCGGGAAGTGGAGCTGGGCTGGGGAAAGGTGT
TGCTGGTGAAGGACAATGGGGAATTCCATGCCCTGGGCCATAAGTGTCCTCACTATGGAGCGCCCCTGGT
GAAAGGTGTACTGTCCCGGGGACGTGTGCGCTGCCCCTGGCATGGTGCCTGCTTCAACATTAGTACTGGG
GACCTAGAGGACTTCCCAGGCCTGGACAGCCTGCATAAGTTCCAGGTGAAGATTGAGAAGGAGAAGGTGA
CCATTCGGGCAAGCAAGCAGGCCCTGCAGCTACAGCGGAGGACAAAGGTGATGGCCAAGTGTATCTCTCC
AAGTGCTGGCCACAGCAGTAGCACCAACGTGCTCATAGTGGGTGCAGGTGCTGCTGGCCTAGTGTGTGCA
GAAACACTGAGGCAGGAGGGCTTCTCAGACCGGATTGTCCTTTGCACACTGGATCGACATCTGCCCTATG
ACCGGGCCAAGCTCAGCAAGTCCCTGGATGCACAACCCGAACAGCTGGCCCTGAGACCCAAGGAATTCTT
CCGGGCCTATGGCATTGAGATGCTCACTGAGGCTCAGGTAGTCACAGTGGACGTGAGAAATAAGAAGGTT
GTGTTCAAGGATGGCTTCAAGCTAGAGTACAGCAAGCTGCTGCTGGCACCAGGAAGTAGCCCTAAGACCC
TGACCTGCAAAGGGAAAGATGTAGAGAATGTGTTCACCATTCGCACGCCCGAGGATGCCAACCGCGTGCT
GCGGCTCGCCCGGGGCCGCAATGCTGTTGTTGTGGGAGCAGGCTTTCTGGGAATGGAGGTTGCTGCTTAT
CTGACTGAGAAAGCCCACTCAGTATCCGTGGTAGAGCTGGAGGAGACACCCTTCCGGAGGTTCCTGGGGG
AACGTGTTGGTCGTGCACTTATGAAGATGTTTGAAAACAACCGGGTGAAGTTCTATATGCAGACAGAGGT
GTCAGAGTTGCGGGCTCAAGAGGGCAAGCTGCAGGAGGTGGTGCTGAAGAGCAGCAAAGTCCTGCGAGCA
GATGTCTGCGTGTTAGGCATTGGTGCGGTGCCTGCCACAGGCTTCCTGAGGCAGAGTGGCATTGGTCTGG
ATTCCCGAGGTTTCATCCCAGTCAACAAGATGATGCAGACCAACGTCCCAGGAGTGTTTGCTGCAGGTGA
TGCTGTCACCTTTCCTCTTGCCTGGAGGAACAATCGGAAAGTGAACATCCCACACTGGCAGATGGCTCAC
GCCCAGGGGCGGGTAGCAGCTCAGAACATGCTGGCACAGGAGGCTGAGATCAACACGGTACCCTATCTGT
GGACTGCCATGTTCGGCAAAAGCCTTCGCTATGCTGGCTACGGAGAAGGCTTCGATGATGTCATCATTCA
GGGGGATCTGGAGGAGCTGAAGTTTGTGGCTTTTTATACCAAAAGTGACGAAGTGATTGCTGTGGCCAGC
ATGAACTACGATCCCATCGTATCCAAGGTGGCTGAGGTGCTAGCCTCAGGTCGAGCCATCCGGAAGCGGG
AGGTGGAAACCGGTGACATGTCTTGGCTCACAGGAAAAGGATCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_175178

Insert Size: 1797 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:	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:	NM_175178.4, NP_780387.2
RefSeq Size:	2688 bp
RefSeq ORF:	1797 bp
Locus ID:	72168
UniProt ID:	Q3TY86
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 (2) lacks an in-frame alternate exon in the 3' coding region, compared to variant 1. It encodes a shorter isoform (2), compared to isoform 1.