

Product datasheet for **MR230656**

Aifm3 (NM_001291070) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR230656 representing NM_001291070
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCGGCTGCTTCTCCAAGCCCAAGCCAGTGGAGCTCAAGATTGAAGTGGTGTCTGCCAGAGAAGAGC
 GGGGCAAGGAGGAGCTGTCAAGCCAGCGAAAGGGCAGCCCCGGGTTACCAGGGCAACGGCACAGCACG
 CCACTTCCATGCTGAAGAGCGGCTGCCACCCCAACCCATCCAGCCCTCAGGACTGTGTGGAGGCT
 ACTGTCTGCCATGTCAAGGACCTCGAGAATGGCCAGATGCGGGAAGTGGAGCTGGGCTGGGGAAAGGTGT
 TGCTGGTGAAGGACAATGGGGAATTCATGCCCTGGCCATAAGTGTCTCACTATGGAGCGCCCTGGT
 GAAAGGTGTACTGTCCCGGGGACGTGTGCGCTGCCCTGGCATGGTGCCTGCTTCAACATTAGTACTGGG
 GACCTAGAGGACTTCCAGGCCCTGGACAGCCTGCATAAGTCCAGGTGAAGATTGAGAAGGAGAAGGTGA
 CCATTCGGCAAGCAAGCAGGCCCTGCAGCTACAGCGGAGGACAAAGGTGATGGCCAAGTGTATCTCTCC
 AAGTGTGGCCACAGCAGTAGCACCAACGTGCTCATAGTGGGTGCAGGTGCTGCTGGCCTAGTGTGTGCA
 GAAACTGAGGCAGGAGGGCTTCTCAGACCGGATTGTCCTTTGCACACTGGATCGACATCTGCCCTATG
 ACCGGGCCAAGCTCAGCAAGTCCCTGGATGCACAACCCGAACAGCTGGCCCTGAGACCCAAGGAATCTT
 CCGGGCTATGGCATTGAGATGCTCACTGAGGCTCAGGTAGTACAGTGGACGTGAGAAAATAAGAAGTT
 GTGTTCAAGGATGGCTTCAAGCTAGAGTACAGCAAGCTGCTGCTGGCACCAGGAAGTAGCCCTAAGACCC
 TGACCTGCAAAGGGAAAGATGTAGAGAATGTGTTACCATTGCGACGCCCCGAGGATGCCAACCGCGTGT
 GCGGCTCGCCCGGGCCCAATGCTGTTGTTGTGGGAGCAGGCTTCTGGGAATGGAGTTGCTGCTTAT
 CTGACTGAGAAAGCCCACTCAGTATCCGTGGTAGAGCTGGAGGAGACACCCTCCGGAGGTTCTGGGGG
 AACGTGTTGGTCTGCACTTATGAAGATGTTGAAAACAACCGGTTGAAGTTCTATATGCAGACAGAGGT
 GTCAGAGTTGCGGGCTCAAGAGGGCAAGCTGCAGGAGGTGGTGTGAAGAGCAGCAAAGTCTCGGAGCA
 GATGTCTGCGTGTAGGCATTGGTGCAGTGCCTGCCACAGGCTTCTGAGGCAGAGTGGCATTGGTCTGG
 ATCCCGAGGTTTCATCCAGTCAACAAGATGATGCAGACCAACGTCACAGGAGTGTGCTGCAGGTGA
 TGCTGTACCTTTCTCTGCTGGAGGAACAATCGGAAAGTGAACATCCACACTGGCAGATGGCTCAC
 GCCCAGGGGCGGTAGCAGCTCAGAACATGCTGGCACAGGAGGCTGAGATCAACACGGTACCCTATCTGT
 GGACTGCCATGTTGCGCAAAAGCCTTCGCTATGCTGGCTACGGAGAAGGCTTCGATGATGCATCATTCA
 GGGGATCTGGAGGAGCTGAAGTTGTGGCTTTTATAACAAAAGTGACGAAGTATTGCTGTGGCCAGC
 ATGAACTACGATCCCATCGTATCCAAGGTGGCTGAGGTGCTAGCCTCAGGTGAGCCATCCGGAAGCGGG
 AGGTGGAGTTGTTATGCTACACAGCAAACCGGTGACATGTCTGGCTCACAGGAAAAGGATCC

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230656 representing NM_001291070
 Red=Cloning site Green=Tags(s)

MGGCFSKPKPVELKIEVVLPEKERGKEEL SASGKGS PRGYQGNGTARHFHAEERLPTPQPYPSPQDCVEA
 TVCHVKDLENGQMREVELGWGKVLVLDKNGEFHALGHKCPHYGAPLVKGVLSRGRVRCPPWHGACFNISTG
 DLEDFPGLDSLHKFQVKIEKEKVTIRASKQALQLQRRTKVMACISPSAGHSSSTNVLIVGAGAAGLVCA
 ETLRQEGFSDRIVLCTLRHLPYDRAKLSKSLDAQPEQLALRPKEFFRAYGIEML TEAQVVTVDVRNKKV
 VFKDGFKLEYSKLLLAPGSSPKLTLCKGKDVENVFTIRTPEDANRVLRLARGRNAVVVAGFLGMEVAAY
 LTEKAHSVSVVELEETPFRRFLGERVGRALMKMFENNRVKFYMQTEVSELRAQEGKLQEVVLKSSKVLRA
 DVCVLGIGAVPATGFLRQSGIGLDSRGFIPVKNMMQTNVPGVFAAGDAVTFPLAWRNNRKVNIPHWQMAH
 AQGRVAQNMLAQEAEINTVPYLWTAMFGKSLRYAGYGEFDDVLIQGDLEELKFVAFYTKSDEIVAVAS
 MNYDPIVSKVAEVLASGRAIRKREVELFMLHSKTGMSWLTGKGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001291070

ORF Size: 1815 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001291070.1](#), [NP_001277999.1](#)

RefSeq Size: 2302 bp

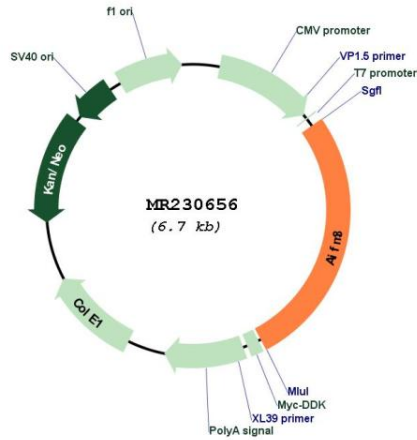
RefSeq ORF: 1818 bp

Locus ID: 72168

UniProt ID: [Q3TY86](#)

Cytogenetics: 16 A3
MW: 67.2 kDa
Gene Summary: Induces apoptosis through a caspase dependent pathway. Reduces mitochondrial membrane potential (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230656