

Product datasheet for **SC322574**

AIFM3 (NM_001018060) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AIFM3 (NM_001018060) Human Untagged Clone
Tag:	Tag Free
Symbol:	AIFM3
Synonyms:	AIFL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322574
 CGCGGCCCAAGCGGTTCCCGAGCCAGGCCCGCGCCGAGCCAGGTCCTAGAGCAGCTC
 CAGCAGGATGGCGGCTCCAGCGTCTCTAAGGCCTGCAGGGGGTCCAGCCCCATGGGGGGC
 GCCCTAGGCCTCCGACAGCTCCCATCTGTGCTCCTGCCCGCCATCCTCAGGCCAC
 TCGCCATGGGCGGCTGCTTCTCCAAACCCAAACCAGTGGAGCTCAAGATCGAGGTGGTGC
 TGCTTGAGAAGGAGCGAGGCAAGGAGGAGCTGTCGGCCAGTGGGAAGGGCAGCCCCGGG
 CCTACCAGGGCAATGGCACGGCCGCCACTTCCACACGGAGGAGCGCCTGTCCACCCCTC
 ACCCTACCCCAGCCCTCAGGATTGCGTGGAGGCTGCTGTCTGCCACGTC AAGGACCTCG
 AGAATGGCCAGATGCGGGAAGTGGAGCTGGGCTGGGGGAAGGTGTTGCTGGTGAAGGACA
 ATGGGGAGTTCCACGCCCTGGGCCATAAGTGTCCGCACTACGGCGCACCCCTGGTGAAG
 GCGTTCTGTCCCGTGGTGGGTGCGCTGCCCTGGCACGGCGCCTGCTTCAACATCAGCA
 CTGGGGACCTGGAGGACTTCCCTGGCCTGGACAGTCTACACAAGTTCAGGTGAAGATTG
 AGAAGGAGAAGGTGTACGTCCGGCCAGCAAGCAGGCCCTACAGTGCAGCGAAGGACCA
 AGGTGATGGCCAAGTGTATCTCTCCAAGTCTGGGTACAGCAGTAGCACCAATGTGCTCA
 TTGTGGGTGCAGGTGCAGCTGGCCTGGTGTGTGCAGAGACTGCGGCAGGAGGGCTTCT
 CCGACCGGATCGTCTGTGCACGCTAGACCGGCACCTTCCCTACGACCGTCCCAAGCTCA
 GCAAGTCCCTGGACACACAGCCTGAGCAGCTGGCCCTGAGGCCCAAGGAGTTTTTCCGAG
 CCTATGGCATCGAGGTGCTCACCAGGCTCAGGTGGTACAGTGGACGTGAGAACTAAGA
 AGGTGCTGTTCAAGGATGGCTTCAAGCTGGAGTACAGCAAGTGTGCTGGCACCAGGGA
 GCAGCCCCAAGACTCTGAGCTGCAAAGGCAAAGAAGTGGAGAACGTGTTCACTATCCGGA
 CGCCAGAGGATGCCAATCGCGTGGTGGAGCTGGCCGAGGCCGCAACGTGGTCTGCTGG
 GAGCCGGCTTCTGGGGATGGAGGTGGCCGCTTACCTGACGGAGAAGGCCACTCTGTGT
 CTGTGGTGGAGCTGGAGGAGACGCCCTTACAGAGGTTCTGGGGAGCGGTGGTGGTGTG
 CCTCATGAAGATGTTTGAACAACCGGGTGAAGTTCTACATGCAGACGGAGGTGCTG
 AGCTGCGGGGCCAGGAGGAAAGCTGAAGGAGTTGTGCTGAAGAGCAGCAAGGTCGTGC
 GGGCTGACGTCTGCGTGGTGGGCATTGGTGCAGTGCCCGCCACAGGCTTCTGAGGCAAA
 GCGGCATCGTGGTGGATTCCCGAGGCTTCCCTGTCAACAAGATGATGCAGACCAATG
 TCCAGGCGTGTTCAGCTGGCGATGCTGTACCTTCCCCCTTGCCTGGAGGAACAACC
 GCAAAGTGAACATTCCACATTGGCAGATGGCTCATGCTCAGGGGCGCGTGGCAGCCAGA
 ACATGTTGGCGCAGGAGGCGGAGATGAGCACTGTGCCCTACCTCTGGACCGCCATGTTTG
 GCAAGAGCCTGCGCTACGCGGGCTACGGAGAAGGCTTCGACGACGTCATCATCCAGGGGG
 ATCTGGAGGAGCTGAAGTTTGTGGCTTTTACACTAAAGGCGACGAGGTGATCGCCGTGG
 CCAGCATGAACACGATCCCATTGTGTCCAAGGTCGCTGAGGTGCTGGCCTCAGGCCGTG
 CCATCCGGAAGCGGGAGGTGGAGACTGGCGACATGTCCTGGCTTACGGGGAAAGGATCCT
 GAGCTCATATGACAGTACTTGGCAGGCAAGGGGGCACCAAGGGCACAGGCCAAGCCT
 TGGGGGACAGGTGCCAATCTCCAGTCCCAGGATCCCCAGGGCAGAACCTGAGCCCTCCCA
 GTGCTTGCCTTACGCCACCTGGCTCCCCCTGGGAGGCTCTGCTGGATCCAGAAGATG
 CTCAACCTCAAGGCCTCTGCTGCCACTGACAGCTGGCACTGGAGGCAGGACAAGCCCTG
 CCTCTTCTCCCTCTATTGGGACTGGTCCCCTGAAGAACCCTGCAACATGTTAGACATTAC
 CGTAAAAATTAACGCACAAAATTTGCAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001018060

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001018060.1</u> , <u>NP_001018070.1</u>
RefSeq Size:	2360 bp
RefSeq ORF:	1797 bp
Locus ID:	150209
UniProt ID:	<u>Q96NN9</u>
Cytogenetics:	22q11.21
Protein Families:	Druggable Genome
Gene Summary:	<p>Induces apoptosis through a caspase dependent pathway. Reduces mitochondrial membrane potential.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region compared to variant 1. This results in a shorter protein (isoform 2) compared to isoform 1.</p>