

Product datasheet for **SC108396**

AMID (AIFM2) (NM_032797) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMID (AIFM2) (NM_032797) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMID
Synonyms:	AMID; FSP1; PRG3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108396 sequence for NM_032797 edited (data generated by NextGen Sequencing)

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ATGGGGTCCCAGGTCTCGGTGGAATCGGGAGCTCTGCACGTGGTATTGTGGGTGGGGG
TTTGCGGGATCGCAGCAGCCAGCTGCAGGCCCTGAACGTCCCCTTCATGCTGGT
GACATGAAGGACTCCTTCCACCAATGTGGCTGCTCTCCGAGCCTCCGTGGAGACAGGG
TTCGCCAAAAGACATTCATTTCTTACTCGGTGACTTTCAAGGACAACTCCGGCAGGG
CTAGTAGTGGGATAGACCTGAAGAACCAGATGGTGTGCTGCAGGGTGGCGAGGCCCTG
CCCTTCTCTCATCTTATCCTGGCCACGGGCAGCACTGGGCCCTTCCGGGCAAGTTAAT
GAGGTTTCCAGCCAGCAGGCCGCTATCCAGGCCTATGAGGACATGGTGGCAGGTCCAG
CGCTCACGGTTCATCGTGGTGGTGGGAGGAGCTCGGCTGGAGTGGAGATGGCAGCAGAG
ATTA AACAGAAATATCCTGAGAAAGAGGTCACTCTCATTCACTCCCAAGTGGCCCTGGCT
GACAAGGAGCTCCTGCCCTCCGTCCGGCAGGAAGTGAAGGAGATCCTCCTCCGGAAGGGC
GTGCAGCTGCTGCTGAGTGAAGCGGTGAGCAATCTGGAGGAGCTGCCTCTCAATGAGTAT
CGAGAGTACATCAAAGTGCAGACGGACAAAGGCACAGAGGTGGCCACCAACCTGGTATT
CTCTGCACCGGCATCAAGATCAACAGCTCCGCCTACCGCAAAGCATTGAGAGCAGACTA
GCCAGCAGTGGTCTCTGAGAGTGAACGAGCACCTCCAGTGGAGGGCCACAGCAACGTC
TACGCCATTGGTACTGTGCCGACGTGAGGACGCCAAGATGGCCTATCTTGCCGGCCTC
CACGCCAACATCGCCGTGGCCAACATCGTCAACTCTGTGAAGCAGCGGCCTCTCCAGGCC
TACAAGCCGGGTGCACTGACGTTCTCCTGTCCATGGGGAGAAATGACGGTGTGGGCCAA
ATCAGTGGCTTCTATGTGGCCGGCTCATGGTTCGGCTGACCAAGAGCCGGGACCTGTTC
GTCTCTACGAGCTGAAAACCATGAGGCAGTCTCCACCTTGA

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Clone variation with respect to NM_032797.5
765 g=>a



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032797 unedited AACGTAACGCTCCCGTTGCCGCTAATGGGCGTAGGCGGTACGGTGGGAGGTCTATATAA GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCG CGAATTCGGCAGCAGGGGAGCGGGAGCCGGAGCGAGAGCGCGGGCGCGGCCGACAGTG CCTGATTTGAGATGGGGTCCCAGGTCTCGGTTTTTCTGGAGCTCTGCACGTGGTGATTG TGGGTGGGGGCTTTGGCGGGATCGCAGCAGCCAGCCAGCTGCAGGCCCTGAACGTCCCCT TCATGCTGGTGGACATGAAGGACTCCTCCACCACAATGTGGCTGCTCTCCGAGCCTCCG TGGAGACAGGGTTCGCCAAAAAGACATTCTTTCTTACTCGGTGACTTTCATGGACAAC TCCGGCAGGGGCTAGTAGTGGGGATAGAAGTGAAGAACCAGATGGTGCTGCTGCAGGGTG GCGAGGCCCTGCCCTTCTCTCATCTTATCATGGCCACGGGCAGCACTGGGCCCTTCCCGG GCAAGTTTAAAGAGTTTCCAGCCAGCAGGCCGCTATCCAGGCCTATGAGGACATGGTGA GGCAGGTCACGCGCTCACGGTTCATCGTGGTGGTGGGAGGAGGCTCGGCTGGAGTGGAGA TGGCAGCAGAGATTAACACAGAATATCCTGAGAAAGGAGTCACTCTCATTCACTTCCAAA TGATCACTGCTGACCAAGAGCTCCTGCCCTCCGTCGGCAAGAAATGAAAGAGATCCTCCT CCGAAGGGCGTGACCTGCTGCTGAGTGAGCGGGTGAACAATCTGGAGGAACTGCCTTTC ATGAGTTTCGAAAGTCTTCAAAGTGCAGACGGCCAAAAGCACAAGAGTTGGCCACCAACC TGGTGATTCTCTGGACCGGACTTG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032797 unedited CATCTATTTATGNACCGCGCACGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTCTT ACAACATATTCTTTTATTGCAACATTTTCTCAGTTTGGAAAAGTGTGTCCCCACACGTA GGTCTTCTAGAATATTGTAAGTCAATAGAAGAAGGCCTGTCGCTCACACACTGGGATTC CCACCTCGCTGGACCCCAGGTCAGATAGCACAGGGCCTGTGTTTCTTAGCCGAAGGTC CTGCCTCCAGGAAGGTGGGCTTCCCTTCGTGGTCCATAAAGAAAGACAGATACTTGGATG CAACCACAGGGGAACAGCCATCCTCCAATAGAGGCACACGACTCACTTAGGCCTGGGCG ACAGCCCCAACGGGATGGCCTGAGAACCCAGAGAGGCTGGTGTCCCAAGGACTCTGCC GAGTACCCAGAGGCCACCATCAAAGGGAGCAGGGAGGGGAGGGTGGGGAGGTGGGGCC TGAATTTCTTCAGATGAACTCATCAACCACTTCTGCTATGCAGATTTAACCCAGGCAGTC CAAGAGGGGCTCCTCTGGATTGGAAGATCTCTCCCAAATAGAGGAATCATTTATACACTG TAACATAGTCGGTGGCAGACATTAGTGCCAGCTGGGCCTCCAGACAAGTGACCCCTGGNG TTGGGCCAGAAACCAGAAGCACATAACCACATAGTCCCTCAAGGGCCCTCTCCCCATTCC CAGCATCAGCTGGAGTTNTGTCACTTACAAATCTGCCCCATAGTAACCTANGAATATGCT GGGGGTCACCCGCAGAAACCCCTCTGCTCGCTAATGGGTAAGCAGATGGCACCCCGCA NAGAGTCACATTATCTGCCCTTCTTAAACACCTCNATGGCTGGGCAGCCANGCTGCAGT CTCAACCCCTGCTAGCC
Restriction Sites:	NotI-NotI
ACCN:	NM_032797
Insert Size:	3500 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_032797.4](#), [NP_116186.1](#)

RefSeq Size: 3240 bp

RefSeq ORF: 1122 bp

Locus ID: 84883

UniProt ID: [Q9BRQ8](#)

Cytogenetics: 10q22.1

Domains: pyr_redox

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a flavoprotein oxidoreductase that binds single stranded DNA and is thought to contribute to apoptosis in the presence of bacterial and viral DNA. The expression of this gene is also found to be induced by tumor suppressor protein p53 in colon cancer cells. [provided by RefSeq, Nov 2010]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. 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.