

## Product datasheet for RC233906

### AMID (AIFM2) (NM\_001198696) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AMID (AIFM2) (NM_001198696) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AMID
Synonyms:	AMID; FSP1; PRG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233906 representing NM_001198696 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGTCCCAGGTCTCGGTGGAATCGGGAGCTCTGCACGTGGTATTGTGGTGGGGCTTTGGCGGA  
TCGCAGCAGCCAGCCAGCTGCAGGCCCTGAACGTCCCCTCATGCTGGTGGACATGAAGGACTCCTTCCA  
CCACAATGTGGCTGCTCTCGAGCCTCCGTGGAGACAGGGTTCGCCAAAAGACATTCATTTCTACTCG  
GTGACTTTCAAGGACAACCTCCGGCAGGGGCTAGTAGTGGGATAGACCTGAAGAACCAGATGGTGTCTG  
TGCAGGGTGGCGAGGCCCTGCCCTCTCTCATCTATCCTGGCCACGGGCAGCACTGGGCCCTTCCCGGG  
CAAGTTTAATGAGTTTTCCAGCCAGCAGGCCGCTATCCAGGCCTATGAGGACATGGTGGAGGAGTCCAG  
CGCTCACGGTTCATCGTGGTGGTGGGAGGAGGCTCGGCTGGAGTGGAGATGGCAGCAGAGATTAACACAG  
AATATCCTGAGAAAGAGGTCACTCTCACTCCAAGTGGCCCTGGCTGACAAGGAGCTCCTGCCCTC  
CGTCCGGCAGGAAGTGAAGGAGATCCTCCTCCGGAAGGGCGTGCAGCTGCTGCTGAGTGAGCGGGTGA  
AATCTGGAGGAGCTGCCTCTCAATGAGTATCGAGAGTACATCAAAGTGCAGACGGACAAAGGCACAGAGG  
TGGCCACCAACCTGGTATTCTCTGCACCGGCATCAAGATCAACAGCTCCGCCTACCGCAAAGCGTTTGA  
GAGCAGACTAGCCAGCAGTGGTGTCTGAGAGTGAACGAGCACCTCCAGGTGGAGGGCCACAGCAACGTC  
TACGCCATTGGTACTGTGCCGACGTGAGGACGCCCAAGATGGCCTATCTTGGCCCTCCACGCCAACA  
TCGCCGTGGCCAACATCGTCAACTCTGTGAAGCAGCGGCCCTCCAGGCCTACAAGCCGGGTGCACTGAC  
GTTCTCTGTCCATGGGAGAAATGATGGTGTGGCCAAATCAGTGGTCTATGTGGCCGGCTCATG  
GTTCCGGCTGACCAAGAGCCGGGACCTGTTCTCTACGAGCTGGAAAACCATGAGGCAGTCTCCACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC233906 representing NM\_001198696  
 Red=Cloning site Green=Tags(s)

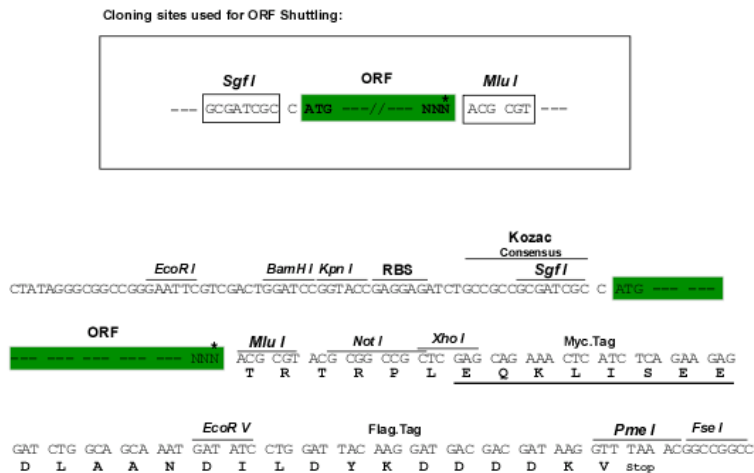
MGSQVSVESGALHVVIVGGGFGGIAAASQLQALNVPFMLVDMKDSFHHNVAALRASVETGFAKKTFISYS  
 VTFKDNFRQGLVVGIDLKNQMVLLQGGEALPFSHLILATGSTGPFPGKFNEVSSQAAIQAYEDMVRQVQ  
 RSRFIVVVGGSAGVEMAAEIKTEYPEKEVTLIHSQVALADKELLPSVRQEVKEILLRKGVQLLLSERVS  
 NLEELPLNEYREYIKVQTDKGTVEVATNLVILCTGIKINSSAYRKAFESRLASSGALRVNEHLQVEGHSNV  
 YAIGDCADV RTPK MAYL AGL HANI AVANI VNSVKQRPLQAYKPGALTFLLSMGRNDG VGVQISGFYVGRML  
 VRLTKSRDLFVSTSWKTRQSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6065\\_e04.zip](https://cdn.origene.com/chromatograms/mk6065_e04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001198696

**ORF Size:** 1119 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\\_001198696.1](#), [NP\\_001185625.1](#)

**RefSeq Size:** 3256 bp

**RefSeq ORF:** 1122 bp

**Locus ID:** 84883

**UniProt ID:** [Q9BRQ8](#)

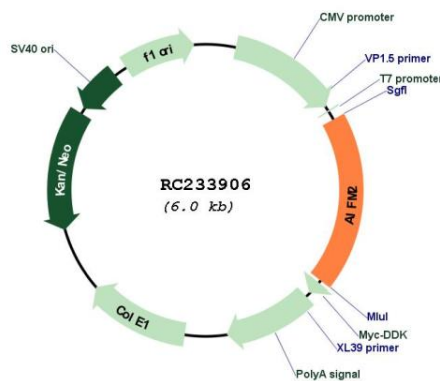
**Cytogenetics:** 10q22.1

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 40.5 kDa

**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]

## Product images:



Circular map for RC233906