

Product datasheet for **RG233906**

AMID (AIFM2) (NM_001198696) Human Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | AMID (AIFM2) (NM_001198696) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | AIFM2 |
| Synonyms: | AMID; FSP1; PRG3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG233906 representing NM_001198696 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTCCCAGGTCTCGGTGGAATCGGGAGCTCTGCACGTGGTATTGTGGTGGGGCTTTGGCGGGA
TCGCAGCAGCCAGCCAGCTGCAGGCCCTGAACGTCCCCTCATGCTGGTGGACATGAAGGACTCCTTCCA
CCACAATGTGGCTGCTCTCCGAGCCTCCGTGGAGACAGGGTTCGCCAAAAGACATTCATTTCTTACTCG
GTGACTTCAAGGACAACCTCCGGCAGGGGCTAGTAGTGGGATAGACCTGAAGAACCAGATGGTGTCTGC
TGCAGGGTGGCGAGGCCCTGCCCTTCTCTCATCTATCCTGGCCACGGGCAGCACTGGGCCCTTCCCGGG
CAAGTTTAATGAGTTTTCCAGCCAGCAGGCCGCTATCCAGGCCTATGAGGACATGGTGGAGGAGTCCAG
CGCTCACGGTTCATCGTGGTGGTGGGAGGAGGCTCGGCTGGAGTGGAGATGGCAGCAGAGATTAACACAG
AATATCCTGAGAAAGAGGTCACTCTCACTCCAAGTGGCCCTGGCTGACAAGGAGCTCCTGCCCTC
CGTCCGGCAGGAAGTGAAGGAGATCCTCCTCCGGAAGGGCGTGCAGCTGCTGCTGAGTGAGCGGGTGA
AATCTGGAGGAGCTGCCTCTCAATGAGTATCGAGAGTACATCAAAGTGCAGACGGACAAAGGCACAGAGG
TGGCCACCAACCTGGTATTCTCTGCACCGGCATCAAGATCAACAGCTCCGCCTACCGCAAAGCGTTTGA
GAGCAGACTAGCCAGCAGTGGTGTCTGAGAGTGAACGAGCACCTCCAGGTGGAGGGCCACAGCAACGTC
TACGCCATTGGTACTGTGCCGACGTGAGGACGCCCAAGATGGCCTATCTTCCCGGCTCCACGCCAACA
TCGCCGTGGCCAACATCGTCAACTCTGTGAAGCAGCGGCCCTCCAGGCCTACAAGCCGGGTGCACTGAC
GTTCTCTGTCCATGGGAGAAATGACGGTGTGGCCAAATCAGTGGTCTATGTGGCCGGCTCATG
GTTCCGGCTGACCAAGAGCCGGGACCTGTTCTCTACGAGCTGGAAAACCATGAGGCAGTCTCCACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233906 representing NM_001198696
 Red=Cloning site Green=Tags(s)

MGSQVSVESGALHVVIVGGGFGGIAAASQLQALNVPFMLVDMKDSFHHNVAALRASVETGFAKKTFISYS
 VTFKDNFRQGLVVGIDLKNQMVLLQGGEALPFSHLILATGSTGPFPGKFNEVSSQQAIIQAYEDMVRQVQ
 RSRFIVVVGGSAGVEMAAEIKTEYPEKEVTLIHSQVALADKELLPSVRQEVKEILLRKGVQLLLSERVS
 NLEELPLNEYREYIKVQTDKGTVEVATNLVILCTGIKINSSAYRKAFESRLASSGALRVNEHLQVEGHSNV
 YAIGDCADV RTPKMAYLAGLHANIAVANI VNSVKQRPLQAYKPGALTFLLSMGRNDGVGQISGFYVGRML
 VRLTKSRDLFVSTSWKTRQSP

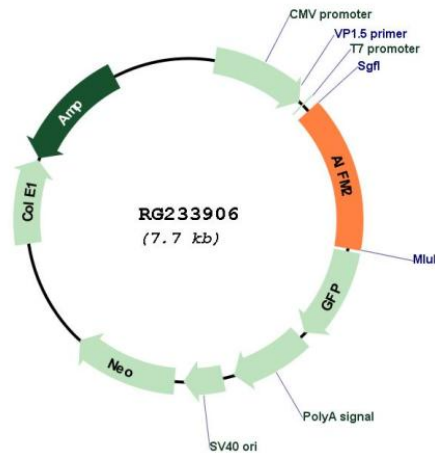
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001198696

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|-------------------------------|---|
| 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: | <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: | 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 |
| 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] |