

Product datasheet for **SC117306**

AGFG1 (NM_004504) Human Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | AGFG1 (NM_004504) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | AGFG1 |
| Synonyms: | HRB; RAB; RIP |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_004504, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCCAGCGGAAGCGGAAGCAGGAGGAGAAGCACCTGAAGATGCTGCGGGACATGACCGGCCTCC
CGCACAACCGAAAGTGCTTCGACTGCGACCAGCGCGGCCACCTACGTTAACATGACGGTCGGCTCCTT
CGTGTGTACCTCCTGCTCCGGCAGCCTGCGAGGATTAATCCACCACACAGGGTAAATCTATCTCCATG
ACAACATTCACACAACAGGAAATTGAATTCTTACAAAAACATGGAAATGAAGTCTGTAAACAGATTGGC
TAGGATTATTTGATGATAGATCTTCAGCAATTCAGACTTCAGGGATCCACAAAAAGTGAAAGAGTTTCT
ACAAGAAAAGTATGAAAAGAAAAGATGGTATGTCCCGCCAGAACAAGCCAAAGTCGTGGCATCAGTTCAT
GCATCTATTTAGGGTCTCTGCCAGTAGCACAAGCAGCACACCTGAGGTCAAACCACTGAAATCTCTTT
TAGGGGATTCTGCACCAACTGCACCTAAATAAGGGCACACCTAGTCAGTCCCCAGTTGTAGGTCGTTT
TCAAGGGCAGCAGCAGGAGAAGAAGCAATTTGACCTTTAAGTGATCTCGGCTCAGACATCTTTGCTGCT
CCAGCTCCTCAGTCAACAGCTACAGCAATTTTGCTAACTTTGCACATTTCAACAGTCATGCAGCTCAGA
ATTCTGCAATGCAGATTTTGCAAACTTTGATGCATTTGGACAGTCTAGTGGTTCGAGTAATTTGGAGG
TTTCCCCACAGCAAGTCACTCTCTTTTTAGCCCCAAACTACAGGTGGAAGTGTGCATCAGTAAATGCT
AATTTTGCTCATTTTGATAACTTCCCCAAATCCTCCAGTCTGATTTTGGAACTTCAATACTTCCCAGA
GTCATCAAACAGCATCAGCTGTTAGTAAAGTTTCAACGAACAAAGCTGGTTTACAGACTGCAGACAAATA
TGCAGCACTTGCTAATTTAGACAATATCTTCAGTGCCGGGCAAGGTGGTATCAGGGAAGTGGCTTTGGG
ACCACAGGTAAGCTCCTGTTGGTTCTGTGGTTTTCAGTCCCAGTCAGTCAAGTGCATCTTCAGACAAGT
ATGCAGCTCTGGCAGAAGTAGACAGCGTTTTTCAGTCTGCAGCCACCTCCAGTAATGCGTATACTCCAC
AAGTAATGCTAGCAGCAATGTTTTGGAACAGTGCCAGTGGTTGCTTCTGCACAGACACAGCCTGCTTCA
TCAAGTGTGCTGCTCCATTTGGAGCTACGCCTTCCACAAATCCATTTGTTGCTGCTGCTGCTGCTTCA
TGGCATCTTCTACAAACCCATTTAGACCAATGCCAGAGGAGCAACAGCGGCAACCTTTGGCACTGCATC
CATGAGCATGCCACAGGATTCGGCACTCTGCTCCCTACAGTCTTCCCACAGCTTTAGTGGCAGCTTT
CAGCAGCTGCCTTTCCAGCCCAAGCAGCTTTCCCTCAACAGACAGCTTTTTCTCAACAGCCCAATGGTG
CAGGTTTTGCAGCATTTGGACAAACAAAGCCAGTAGTAACCCCTTTTGGTCAAGTGCAGCTGCTGGAGT
ATCTAGTAATCCTTTTATGACTGGTGCACCAACAGGACAATTTCCAACAGGAAGCTCATCAACCAATCCT
TTCTTATAG
    
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Chromatograms: https://cdn.origene.com/chromatograms/ja1854_c09.zip

Restriction Sites: NotI-NotI

ACCN: NM_004504

Insert Size: 2570 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_004504.3](#), [NP_004495.2](#)

RefSeq Size: 4878 bp

RefSeq ORF: 1689 bp

Locus ID: 3267

UniProt ID: [P52594](#)

Cytogenetics: 2q36.3

Domains: ArfGap

Gene Summary: The protein encoded by this gene is related to nucleoporins, a class of proteins that mediate nucleocytoplasmic transport. The encoded protein binds the activation domain of the human immunodeficiency virus Rev protein when Rev is assembled onto its RNA target, and is required for the nuclear export of Rev-directed RNAs. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.