

Product datasheet for **RG205375**

AGFG1 (NM_004504) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGFG1 (NM_004504) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AGFG1
Synonyms:	HRB; RAB; RIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205375 representing NM_004504
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCCAGCGGAAGCGGAAGCAGGAGGAGAAGCACCTGAAGATGCTGCGGGACATGACCCGGCCTCC
 CGCACAACCGAAAAGTGTTCGACTGCGACCAGCGCGGCCACCTACGTTAACATGACGGTCGGCTCCTT
 CGTGTGTACCTCTGCTCCGGCAGCCTGCGAGGATTAATCCACCACACAGGGTGAATCTATCTCCATG
 ACAACATTCACACAACAGGAAATTGAATCTTACAAAAACATGAAATGAAGTCTGTAAGCAGATTTGGC
 TAGGATTATTTGATGATAGATCTTCAGCAATCCAGACTTCAGGGATCCACAAAAAGTAAAAGATTTCT
 ACAAGAAAAGTATGAAAAGAAAAGATGGTATGTCCCGCCAGAACAAGCCAAAGTCGTGGCATCAGTTCAT
 GCATCTATTTAGGGTCTCTGCCAGTAGCACAAGCAGCACACCTGAGGTCAAACCACTGAAATCTCTTT
 TAGGGGATTCTGCACCAACTGCACCTAAATAAGGGCACACCTAGTCAGTCCCCAGTTGTAGGTCGTTT
 TCAAGGGCAGCAGGAGAAGAAGCAATTTGACCTTTAAGTGATCTCGGCTCAGACATCTTTGCTGCT
 CCAGCTCCTCAGTCAACAGCTACAGCCAATTTGCTAACTTTGCACATTTCAACAGTCATGCAGCTCAGA
 ATTCTGCAAAATGCAGATTTTGCAAACTTTGATGCATTTGGACAGTCTAGTGGTTCGAGTAATTTGGAGG
 TTTCCCCACAGCAAGTCACTCTCCTTTTCAGCCCCAACTACAGGTGGAAGTGTGCATCAGTAAATGCT
 AATTTTGCTCATTTTGATAACTTCCCCAAATCCTCCAGTGTGATTTTGGAACTTCAATACTTCCCAGA
 GTCATCAAACAGCATCAGCTGTTAGTAAAGTTTCAACGAACAAAGCTGGTTTACAGACTGCAGACAAATA
 TGCAGCACTTGCTAATTTAGACAATATCTTCAGTGCCGGGCAAGGTGGTATCAGGGAAGTGGCTTTGGG
 ACCACAGGTAAGCTCCTGTTGGTCTGTGGTTTCAGTCCCAGTCAGTCAAGTGCATCTCAGACAAGT
 ATGCAGCTCTGGCAGAACTAGACAGCGTTTTTCAGTTCTGCAGCCACCTCCAGTAATGCGTATACTTCCAC
 AAGTAATGCTAGCAGCAATGTTTTTGGAAACAGTGCCAGTGGTTGCTTCTGCACAGACACAGCCTGCTTCA
 TCAAGTGTGCTGCTCCATTTGGAGCTACGCCTTCCACAATCCATTTGTTGCTGCTGCTGGTCTTCTG
 TGGCATCTTACAAAACCCATTTTCAGACCAATGCCAGAGGAGCAACAGCGGCAACCTTTGGCACTGCATC
 CATGAGCATGCCACGGGATTCGGCACTCTGCTCCCTACAGTCTTCCCACCAGCTTTAGTGGCAGCTTT
 CAGCAGCTGCCTTTCCAGCCCAAGCAGCTTCCCTCAACAGACAGCTTTTTCTCAACAGCCCAATGGTG
 CAGGTTTTGCAGCATTGGACAAACAAAGCCAGTAGTAACCCCTTTTGGTCAAGTGCAGCTGCTGGAGT
 ATCTAGTAATCCTTTTATGACTGGTGCACCAACAGGACAATTTCCAACAGGAAGCTCATCAACCAATCCT
 TTCTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205375 representing NM_004504
 Red=Cloning site Green=Tags(s)

MAASAKRKQEEKHLKMLRDMTGLPHNRKCFDCCDQRGPTYVNMVGSFVCTSCSGSLRGLNPPHRVKSISM
 TTFTQQEIEFLQKHGNEVCKQIWLGLFDDRSSAIPDFRDPQKVKEFLQEKYEKKRWYVPPPEQAKVVASVH
 ASISGSSASSTSTPEVKPLKSLLGDSAPTLHLNKGTPSQSPVVGSRQGGQEKQFDLLSDLGSDIFAA
 PAPQSTATANFANFAHFNSHAAQNSANADFANFDAGQSSGSSNFGGFPPTASHSPFPQPTTGGSAASVNA
 NFAHFDNFPKSSSADFGTFNTSQSHQTASAVSKVSTNKAGLQADKYAALANLDNIFSAGQGGDQGGSGFG
 TTGKAPVGSVSVSPSSASSDKYAALAE LDSVSSAATSSNAYTSTSNASSNVFGTVPVVASAQTQPAS
 SSVPAFPGATPSTNPFVAAAGPSVASSTNPFQTNARGATAATFGTASMSMPTGFGTPAPYSLPTSFSGSF
 QQPAFPAQAAFPQQTAFSQQPNGAGFAAFGQTKPVVTPFGQVAAAGVSSNPFMTGAPTGFPTGSSSTNP
 FL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_004504

ORF Size: 1686 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_004504.3](#), [NP_004495.2](#)

RefSeq Size: 4878 bp

RefSeq ORF: 1689 bp

Locus ID: 3267

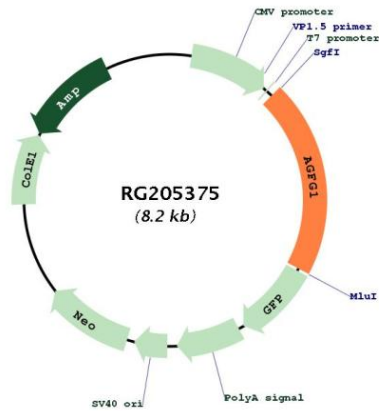
UniProt ID: [P52594](#)

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]

Product images:



Circular map for RG205375