

Product datasheet for **RG225959**

AGFG1 (NM_001135188) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGFG1 (NM_001135188) 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:

>RG225959 representing NM_001135188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCAGCGGAAGCGGAAGCAGGAGGAGAAGCACCTGAAGATGCTGCGGGACATGACCCGGCCTCC
 CGCACAACCGAAAAGTGCCTCGACTGCGACCAGCGCGGCCACCTACGTTAACATGACGGTCGGCTCCTT
 CGTGTGTACCTCTGCTCCGGCAGCCTGCGAGGATTAATCCACCACACAGGGTGAATCTATCTCCATG
 ACAACATTCACACAACAGGAAATGAATCTTACAAAAACATGGAATGAAGTCTGTAACAGATTTGGC
 TAGGATTATTTGATGATAGATCTTCAGCAATCCAGACTTCAGGGATCCACAAAAAGTAAAAGATTTCT
 ACAAGAAAAGTATGAAAAGAAAAGATGGTATGTCCCGCCAGAACAAGCCAAAGTCGTGGCATCAGTTCAT
 GCATCTATTTAGGGTCTCTGCCAGTAGCACAAGCAGCACACCTGAGGTCAAACACTGAAATCTCTTT
 TAGGGGATTCTGCACCAACTGCACCTAAATAAGGGCACACCTAGTCAGTCCCCAGTTGTAGGTCGTTT
 TCAAGGGCAGCAGCAGGAGAAGAAGCAATTTGACCTTTTAAAGTATCTCGGCTCAGACATCTTTGCTGCT
 CCAGCTCCTCAGTCAACAGCTACAGCCAATTTGCTAACTTTGCACATTTCAACAGTCATGCAGCTCAGA
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 TGCAGCACTTGCTAATTTAGACAATATCTTCAGTGCCGGGCAAGGTGGTATCAGGGAAGTGGCTTTGGG
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 TCAAGTGTGCTGCTCCATTTGGAGCTACGCCTTCCACAATCCATTTGTTGCTGCTGCTGGTCTTCTG
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 CATGAGCATGCCACAGGATTCGGCACTCTGCTCCCTACAGTCTTCCCACCAGCTTTAGTGGCAGCTTT
 CAGCAGCTGCCTTTCCAGCCCAAGCAGCTTCCCTCAACAGACAGCTTTTTCTCAACAGCCCAATGGTT
 TTGAGCATTTGGACAAACAAAGCCAGTAGTAACCCCTTTTGGTCAAGTGCAGCTGCTGGAGTATCTAG
 TAATCCTTTTATGACTGGTGCACCAACAGGACAATTTCCAACAGGAAGTCATCAACCAATCCTTTCTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG225959 representing NM_001135188
 Red=Cloning site Green=Tags(s)

MAASAKRKQEEKHLKMLRDMTGLPHNRKCFDQQRGPTYVNMVGSFVCTSCSGSLRGLNPPHRVKSISM
 TTFQQEIEFLQKHGNEVCKQIWLGLFDDRSAIPDFRDPQKVKEFLQEKYEKKRWYVPEQAKVVASVH
 ASISGSSASSTSTPEVKPLKSLLLGDSAPTLHLNKGTPSQSPVVGSRQGGQEQEKQFDLLSDLGSDIFAA
 PAPQSTATANFANFAHFNSHAAQNSANADFANFDFAGQSSGSSNFGGFTASHSPFPQTGGSAASVNA
 NFAHFDNFPKSSSADFGTFNTSQSHQTASAVSKVSTNKAGLQTADKYAALANLDNIFSAGQGGDQSGFG
 TTGKAPVGSVSVSPSSASSDKYAALAE LDSVFSSAATSSNAYTSTSNASSNVFGTVPVVASAQTQPAS
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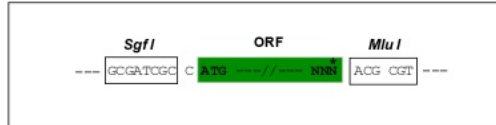
TRTRPLE - GFP Tag - V

Restriction Sites:

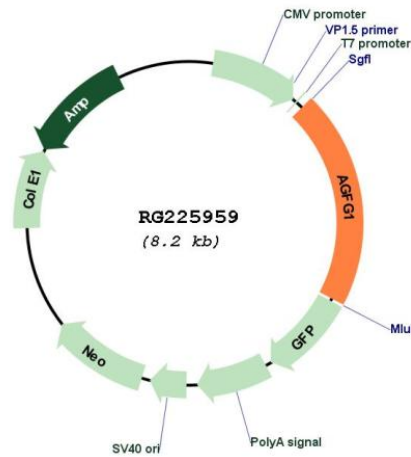
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_001135188
ORF Size:	1680 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_001135188.2
RefSeq Size:	8678 bp
RefSeq ORF:	1683 bp
Locus ID:	3267
UniProt ID:	P52594
Cytogenetics:	2q36.3
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]