

Product datasheet for **MC227979**

Agfg2 (NM_001303266) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agfg2 (NM_001303266) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Agfg2
Synonyms:	A630095P14Rik; Hr; HrbI; RAB-R; RABR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC227979 representing NM_001303266
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGATGGCGGCTAAGAAGGGCCCGGGCCGGTGGCGGGTTCGGAGGGAGCAAAGCGGAGGCTGAAG
CCGCTTCGGAGGTGGTGGCGCCGAGTGGCGGGAGTGGCGGGCTGCAGCCAGGCCGGGAACCGCCACTG
TTTCGAGTGGCGCCAGCGCGGGTACGTATGTGGACATCACCGTGGCAGCTTCGTCTGCACCACCTGC
TCCGGCCTCTGAGAGGCTGAACCCCTCATCGAGTCAAGTCAATCTCCATGACAACCTTCACTGAGC
CTGAAGTCTGTCTCCAATCTCGTGGAAATGAGGTCTGTGGAAAATCTGGCTCGGTCTTTTGTATGC
TCGGACATCGTTGATACCAGATTCCAGGGATCCTCAGAAGGTGAAGGAGTTTCTCCAAGAAAAATATGAG
AAAAAAGATGGTACGTCCCCCAGAGCAAGTCAAGGGCCCTTACAGCAAAGGCAGTGTCTGTCTGCTA
CCCCTGTCCAGGGCTCTGTCCAGAAGGAAACCCATTCGGACACTTCTGGGAGACCCTGTGCCATCTCT
CTCTGATCTGTCCACTTCAAGCCAGCTGGGAGCCAGTCGCAGGCACGCAGCAGCTCGCAGGCCAGG
AGCTCCCAGCCTCCTTCCATTATCCACCAAGAAAGCCAGCACTGACCTGCTGGCGGATATCGGGGGAG
ACCCCTTTGCTGCTCCCCAGGTGGTGCAGCCTTTGCCTCATTCCAGGCTTTGGAGTAGGCCAGACTCC
TGCCCATGGAGGCTTTGCCAACTTCGATGCCTTCAGCAGCAGCCCTAGCTCTTCCACCTTCGGAAGCCTC
CCTCCATCCGTCGAAGGCCATTCCAGGCCAGCCGACCCTGCAGCCAATCGGATGCTAACTGGAAGTT
ACAGCTTTGGAAGTGGCCAGATGTCTGCGTTTGGTGTGGCACCCCTTGCAGCTGCCAGTCAACCCAA
CCTTGCAGATGTGGGCGGCTCCTGGGTCCCAGGATGGCTGTGGAGGTCTCCCTGGCAGTGTTTTGGG
ATGCCGAGCCAGGTTCTGCCCTGCAGTCGGCCGTGCCAGGTGTAGCGGCAGTGGAGGGCTCCCCTTTG
GAGCCTACACCAACCCCTTCGCCACCCCTGCCAAGCCAGCTGCCTTCTACCAACCCATTCCAACCCAA
TGGTCTAGCCTCAGGGCCTGGCTTTGGGATGAGCAGTGTTCGGCCTGGCCTTCTCCAGCCAGTGCCACCC
TCCGGGGCCTTTGCCAGTCCCTTCTCTGCACCCGTGTTCCCCACACAGGCTGGACTGGCCGACCAGCAGA
ATGGATCTTCTTTGGCGACTTGGGGACCTCTAAGCTGGGGCAGAGGCCACTGAGCCAGCCGGCTGGGAT
CTCTACCAATCCTTTCATGACTGGATCCTCAGCGTTTGCCTCCAACCTCCAACCACAAACCCATTCTTG
TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001303266

Insert Size: 1473 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001303266.1](#), [NP_001290195.1](#)

RefSeq Size: 2953 bp

RefSeq ORF: 1473 bp

Locus ID: 231801

Cytogenetics: 5 G2

Gene Summary: This gene encodes a paralog of the HIV-1 Rev binding proteins that serve as cellular co-factors for HIV-1 Rev protein in shuttling viral pre-mRNAs from the nucleus to the cytoplasm. The encoded protein contains an ADP-ribosylation factor GTPase activating protein (Arf-GAP) zinc finger domain, several phenylalanine-glycine (FG) motifs and asparagine-proline-phenylalanine (NPF) motifs. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Transcript Variant: This variant (3) contains an additional in-frame exon in the 3' coding region, compared to variant 2. The resulting protein (isoform 3) is longer than isoform 2.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.