

## Product datasheet for **MC216605**

### Agfg2 (NM\_178162) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agfg2 (NM_178162) 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



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**Fully Sequenced ORF:** >MC216605 representing NM\_178162  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTGATGGCGGCTAAGAAGGGCCCGGGCCGGGTGGCGGGTTCGGAGGGAGCAAAGCGGAGGCTGAAG  
CCGCTTCGGAGGTGTGGTGCCGCGAGTGCGGGAGCTGGCGGGCTGCAGCCAGGCCGGGAACCGCCACTG  
TTTCGAGTGCGCCACGCGGGGTACGTATGTGGACATCACCGTGGCAGCTTCGTCTGCACCACCTGC  
TCCGGCTCCTGAGAGGCTGAACCCCTCATCGAGTCAAGTCAATCTCCATGACAACCTTCACTGAGC  
CTGAAGTCTGTCTCCAATCTCGTGGAAATGAGGTCTGTGGAAAATCTGGCTCGGTCTTTTGTGATG  
TCGGACATCGTTGATACCAGATTCCAGGGATCCTCAGAAGGTGAAGGAGTTTCTCCAAGAAAAATATGAG  
AAAAAAGATGGTACGTCCCCCAGAGCAAGTCAAGGGCCCTTACAGCAAAGGCAGTGTCTCTGCTA  
CCCCTGTCCAGGGCTCTGTCCAGAAGGAAACCCATTCCGACACTTCTGGGAGACCCTGTGCCATCTCT  
CTCTGATCTGTCCACTTCAAGCCAGCTGGGAGCCAGTCGCAGGCACGCAGCAGCTCGCAGGCCAGG  
AGCTCCCAGCCTCTTCCATTATCCACCAAGAAAGCCAGCACTGACCTGCTGGCGGATATCGGGGGAG  
ACCCCTTTGCTGCTCCCCAGGTGGTGCCAGCCTTTGCCTCATTCCAGGCTTTGGAGTAGGCCAGACTCC  
TGCCCATGGAGGCTTTGCCAACTTCGATGCCTTCAGCAGCAGCCCTAGCTCTTCCACCTTCGGAAGCCTC  
CCTCCATCCGTCGAAGCGCCATTCCAGGCCAGCCGACCCTGCAGGAAGTGGCCAGATGTCTGCGTTTG  
GTGTGGCACCCCTTGAGCTGCCAGTCAACCAACAACCTTGAGATGTGGGCGGCCCTCTGGGTCCCAG  
GATGGCTGCTGGAGGTCTCCCTGGCAGTGTTTTGGGATGCCAGCCAGGTTCTGCCCTGCAGTCGGCC  
GTGCCAGGTGTTAGCGGCAGTGGAGGGCTCCCTTTGGAGCCTACACCAACCCCTTCGCCACCCCTGCC  
AAGCCAGCTGCCTTCTACCAACCCATTCCAACCAATGGTCTAGCCTCAGGGCCTGGCTTTGGGATGAG  
CAGTGTTCGGCCTGGCCTTCTCCAGCCAGTGCCACCCTCGGGGGCCTTTGCCAGTCCCTTCTCTGCACC  
GTGTTCCCCACACAGGCTGGACTGGCCGACCAGCAGAATGGATCTTCTTTGGGACTTTGGGACCTCTA  
AGCTGGGGCAGAGGCCACTGAGCCAGCCGGCTGGGATCTCTACCAATCTTTCATGACTGGATCCTCAGC  
GTTTGCCTCCAAACCTCCAACCAACCCATTCTGTAG

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_178162

**Insert Size:** 1440 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\\_178162.3](#), [NP\\_835456.1](#)

RefSeq Size: 2920 bp

RefSeq ORF: 1440 bp

Locus ID: 231801

UniProt ID: [Q80WC7](#)

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 (2) encodes the shortest 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.