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Product datasheet for MC227971

Agfg2 (NM_001303271) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agfg2 (NM_001303271) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Agfg2
Synonyms:	A630095P14Rik; Hr; Hrbl; RAB-R; RABR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC227971 representing NM_001303271
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGATGGCGGCTAAGAAGGGCCCGGGCCCGGGTGGCGGGGTCGGAGGGAGCAAAGCGGAGGCTGAAG
CCGCTTCGGAGGTGTGGTGCCGCCGAGTGCGGGAGCTGGGCGGCTGCAGCCAGGCCGGGAACCGCCACTG
TTTCGAGTGCGCCCAGCGCGGGGTCACGTATGTGGACATCACCGTGGGCAGCTTCGTCTGCACCACCTGC
TCCGGCCTCCTGAGAGGCCTGAACCCCCCTCATCGAGTCAAGTCAATCTCCATGACAACTTTCACTGAGC
CTGAAGTCCTGTTCCTCCAATCTCGTGGAAATGAGGTCTGTCGGAAAATCTGGCTCGGTCTTTTTGATGC
TCGGACATCGTTGATACCAGATTCCAGGGATCCTCAGAAGGTGAAGGAGTTTCTCCAAGAAAAATATGAG
AAAAAAAGATGGTACGTCCCCCCAGAGCAAGTCAAGGGGCCCTCTTACAGCAAAGGCAGTGTCTCTGCTA
CCCCTGTCCAGGGCTCTGTCCCAGAAGGGAAACCCATTCGGACACTTCTGGGAGACCCTGTGCCATCTCT
CTCTGATCCTGCTTCCACTTCAAGCCAGCCTGGGAGCCAGTCGCAGGCACGCAGCAGCTCGCAGGCCAGG
AGCTCCCAGCCTCCTTCCCATTCATCCACCAAGAAAGCCAGCACTGACCTGCTGGCGGATATCGGGGGAG
ACCCCTTTGCTGCTCCCCAGGTGGTGCCAGCCTTTGCCTCATTCCCAGGCTTTGGAGGCCAGACTCCTGC
CCATGGAGGCTTTGCCAACTTCGATGCCTTCAGCAGCAGCCCTAGCTCTTCCACCTTCGGAAGCCTCCCT
CCATCCGTCCAAGCGCCATTCCAGGCCCAGCCGACCCCTGCAGCCAATCGGATGCTAACTGGAAGTTACA
GCTTTGGAAGTGGCCAGATGTCTGCGTTTGGTGTGGCACCCCTTGCAGCTGCCAGTCAACCCAACAACCT
TGCAGATGTGGGCGGCCTCCTGGGTCCCAGGATGGCTGCTGGAGGTCTCCCTGGCAGTGTTTTTGGGATG
CCGAGCCAGGTTCCTGCCCTGCAGTCGGCCGTGCCAGGTGTTAGCGGCAGTGGAGGGCTCCCCTTTGGAG
CCTACACCAACCCCTTCGCCACCCCTGCCCAAGCCCAGCTGCCTTCTACCAACCCATTCCAACCCAATGG
TCTAGCCTCAGGGCCTGGCTTTGGGATGAGCAGTGTTCGGCCTGGCCTTCTCCAGCCAGTGCCACCCTCC
GGGGCCTTTGCCAGTCCCTTCTCTGCACCCGTGTTCCCCACACAGGCTGGACTGGCCGACCAGCAGAATG
GATCTTCCTTTGGCGACTTGGGGACCTCTAAGCTGGGGCAGAGGCCACTGAGCCAGCCGGCTGGGATCTC
TACCAATCCTTTCATGACTGGATCCTCAGCGTTTGCCTCCAAACCTCCAACCACAAACCCATTCTTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001303271

Insert Size: 1470 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_001303271.1, NP_001290200.1
RefSeq Size:	2950 bp
RefSeq ORF:	1470 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 (4) uses an alternate in-frame splice site and contains an additional in-frame exon in the 3' coding region, compared to variant 2. The resulting protein (isoform 4) 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.