

Product datasheet for MR203963

Agfg2 (NM_145566) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agfg2 (NM_145566) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agfg2
Synonyms:	A630095P14Rik; HrbI; RABR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203963 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGATGGCGGCTAAGAAGGGCCCGGGCCGGGTGGCGGGTTCGGAGGGAGCAAAGCGGAGGCTGAAG
CCGCTTCGGAGGTGTGGTGCCGCCGAGTGCGGGAGCTGGGCGGCTGCAGCCAGGCCGGAACCGCCACTG
TTTCGAGTGCGCCAGCGCGGGTACGTATGTGGACATCACCGTGGCAGCTTCGTCTGCACCACCTGC
TCCGGCTCCTGAGAGGCTGAACCCCTCATCGAGTCAAGTCAATCTCCATGACAACCTTCACTGAGC
CTGAAGTCTGTCTCCAATCTCGTGGAAATGAGGTCTGTTCGAAAATCTGGCTCGGTCTTTTGTATGC
TCGGACATCGTTGATACAGATTCCAGGGATCCTCAGAAGGTGAAGGAGTTTCTCCAAGAAAAATATGAG
AAAAAAGATGGTACGTCCCCCAGAGCAAGTCAAGGGGCCCTTACAGCAAAGGCAGTGTCTCTGCTA
CCCCTGTCCAGGGCTCTGTCCCAGAAGGGAAACCCATTCGGACACTTCTGGGAGACCCTGTGCCATCTCT
CTCTGATCCTGTCCACTTCAAGCCAGCCTGGGAGCCAGTGCAGGCACGCAGCAGCTCGCAGGCCAGG
AGCTCCCAGCCTCCTCCATTCATCCACCAAGAAAGCCAGCACTGACCTGCTGGCGGATATCGGGGAG
ACCCCTTTGCTGCTCCCCAGGTGGTGCCAGCCTTTGCCTATTCCAGGCTTTGGAGTAAGTACTACCC
TGGGGCAGGAACCCGTCTCCGCCGATCTGTATTACTGCAAAGACATCATTAGTCCACCGGGGCCAACT
TTTCTGTGTGGCTGGGGTCAAGGAGCAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203963 protein sequence
Red=Cloning site Green=Tags(s)

MVMAAKKGPGGGGVGGSKAEAAASEVWCRVRELGGCSQAGNRHCFECAQRGVTVVDITVGSFVCTTC
 SGLLRGLNPPHRVKSISMTTFFTEPEVLFLQSRGNEVCRKIWLGLFDARTSLIPDSRDPQKVKEFLQEKYE
 KKRWYVPPEQVKGPSYSKGSVSATPVQGSVPEGKPIRTLLGDPVPSLSDPASTSSQPGSQSARSSSQAR
 SSQPPSHSSTKKASTDLLADIGGDPFAAPQVPAFASFPGFGGKYYPGAGTRLRRLICITAKTSLVHRGLT
 FLCGWGQGAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_145566

ORF Size: 873 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 Size: 1497 bp

RefSeq ORF: 873 bp

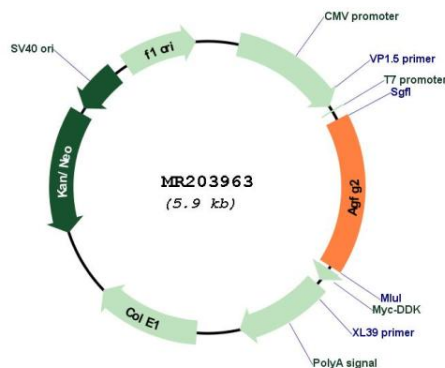
Locus ID: 231801

Cytogenetics: 5 G2

MW: 30.8 kDa

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]

Product images:



Circular map for MR203963