

Product datasheet for **RR209642**

Agfg2 (NM_001107131) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Agfg2 (NM_001107131) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Agfg2
Synonyms: Hrbl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209642 representing NM_001107131
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTGTAGCCAGTCTCAGGCTCGCACGGCACAGGCCAGGAGCTCCCAGCCTCCTTCCCATTATCCA
CCAAGAAAGCCAGCACTGACCTGCTAGCCGATATTGGAGGAGACCCCTTTGCTGCTCCCCAGGTGGCACC
AGCCTTTGCCTCATTCCCAGTTTTGGAGGCCAGAATCCTTCCCATGGAGGCTTTGCCAACTTCGATGCC
TTCAGCAGCAGCCCTAGCTCTTCTGCCTTTGGAAGCCTCCCTCCATCGGTCCAAACCCCGTTCCAGGCC
AGCCGACCCCTGCAGCAATCGGATGCTAACTGGAAGTTACAGCTTTGGGAGTAGCCAGATGCTGCGTT
TGGTGTGACACCCTGGCAGCTGCCAGTCAACCAACAGCCTTGCAGATGTGGTGGCCTCCTGGAACCC
AGGATGGCTGCTGGAGGTCTCCCTGGCAGTGTTCGCGGATGCCAGCCAGGTTCTGCCCTACAGTCGG
CTGTGCCAGGGTTGGCGGCAGCACAGGGCTCCCTTTGGAGCCTTACCAATCCCTTACCACCCTGC
CCAACCCAGCTGCCTTCCACCAACCCATTCCAGCCCAATGGTATAGCCTCAGGGCCTGGCTACGGGATG
GGCAGTGTTCAGCCTGGCCTTCCAGCCAGCCACCCTCCGGAGCCTTGGCAGTACCTTCCCTGCC
CGGTGTTCCCCACACAGGCTGGACTGGTGAACAGCAGAATGGTCTTCCCTTTGGCGATCTGGGGACCTC
CAAGCTAGGGCAGAGCCACTGAGCCAGCCGGCTGGGATCTCACCAATCCTTTCATGACTGGATCCTCG
CGGTTTGCTCCAAACCTCAACCAAAACCCATTCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR209642 representing NM_001107131
 Red=Cloning site Green=Tags(s)

```

MSVSQSQARTAQARSSQPPSHSSTKKASTDLLADIGGDPFAAPQVAPAFASFPGFGGQNP SHGGFANFDA
FSSSPSSSAFGSLPPSVQTPFQAQPTPAANRMLTGSYSFGSSQMSAFGVAPLAAASQPNLADVGLLEP
RMAAGGLPGSVFGMP SQVPALQSAVPGVGGSTGLPFGAF TNPFTTPAQQLPSTNPFQPNGIASGPGYGM
GSVQPGLLQPAPPSGAFAS TFPAPVFPTQAGLVEQQNGSSF GDLGT SKLGQRPLSQPAGISTNPFMTGSS
AFASKPPTTNPFL
  
```

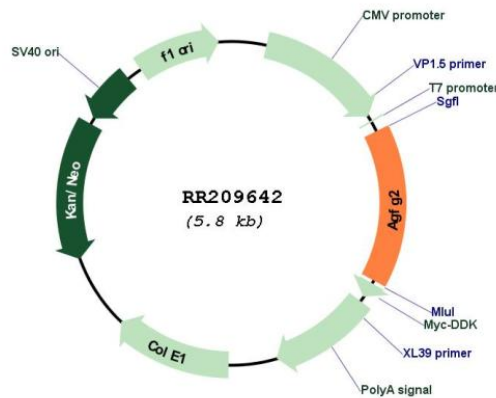
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107131

ORF Size: 879 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:	<u>NM_001107131.1</u> , <u>NP_001100601.1</u>
RefSeq Size:	2742 bp
RefSeq ORF:	882 bp
Locus ID:	304375
Cytogenetics:	12q12
MW:	29.2 kDa