

Product datasheet for **RN200919**

Agfg1 (NM_001135596) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agfg1 (NM_001135596) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Agfg1
Synonyms:	MGC116375
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200919 representing NM_001135596
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCCAGCGGAAGCGGAAGCAGGAGGAGAAGCACCTGAAGATGCTGCGGGACATGACGGGGCTGC
CGCACAACCGCAAGTGTTCGACTGCGACCAGCGCGGCCACCTACGTGAACATGACGGTCGGCTCGTT
CGTGTGCACCTCTTGCTCCGGCAGCCTGAGAGGGTTAAATCCACCTCACAGGGTGAAGTCTATCTCCATG
ACAACATTTACACAACAGGAAATTGAATCTTGCAAAAACATGGAATGAAGTCTGCAAACAGATTTGGC
TAGGATTATTTGATGATAGATCTTCAGCAATCCAGACTTCAGGGATCCACAAAAAGTGAAGAGTTTCT
ACAAGAGAAATATGAAAAGAAAAGATGGTATGTTCTCCAGAGCAAGCCAAAGTGGTGGCATCGTTTAC
GCTTCTATTTAGGGTCTCTGCCAGCAGCACAAGCAGCACCCCTGAGGTCAAACCCCTGAAATCTCTGT
TGGGAGAGTCTGCACCAGCACTGCACTTAAATAAGGGCACACCTACTCAGTCACCAGTTGTAGGTCGCTC
TCAGGGCAGCAGCAGGAGAAGAAGCAGTTTGACCTTTTGAGTGACCTTGGCTCAGACATCTTTGCTGCT
CCAGCGCCTCAGTCGACAGCTACAGCCAACTTTGCTAACTTTGCACACTTAAACAGTCATGCAGCGCAGA
ATTCTGCAAAATGCAGAGTTTGCAAACTTTGATGCATTTGGACAGTCTAGTGGTTCGAGTAAATTTGGAGG
TTTCCCCACAGCAAGTCACTCTCCTTTTCAGCCCCAACTACAGGTGGAAGTGTGGATCAGTAAATGCT
AATTTTGCTCATTTTGATAACTTCCCCAAATCCTCCAGTGCTGATTTGGATCCTTCAGTACATCCCAGA
GTCATCAGACAGCATCACTGTTAGTAAAGTTTCAACAAACAAAGCTGGTTTACAGACAGCAGACAAATA
TGCGGCACTTGCTAATTTAGACAATATCTTCAGTGCTGGGCAAGGAGGTGATCAAGGGAGTGGTTTTGGG
ACCACCGGTAAGCTCCTGTTGGTCTGTGGTTTCAGTCCCAGTCATTCAAGTGCATCTCTGACAAGT
ATGCAGCCCTGGCAGAGTTAGACAGCGTTCAGTTCTGCAGCCACCTCCAATAATGCGTACACATCCAC
CAGTAATGCTAGCAGCAGTGTCTTTGGAACAGTGCTGTGGGTGCCTCTCCTCAGACACAGCCTGCTTCA
AGTGGGCTGCTCCATTTGGAGCTACGCCTTCTACGAATCCATTTGTTGCTGCTACTGGTCCGTCTGCAG
CGTCATCTACAAATCCATTTAGACCAATGCCAGAGGAGCAACAGCGGCAACCTTTGGCACTGCATCTAT
GAGTATGCCAGCAGGATTTGGCACTCCTGCTCAGTACAGTCTCCCACCAGCTTTAGCGGCAAGTTCCAG
CAGCCTCCCTTCCAGCCCAAGCAGCTTTCCCTCAGCAGACAGCCTTTTCTCAGCAGCCCAATGGTGCAG
GTTTCGCCACATTTGGACAAACAAACCAGTGGTAACACCTTTTGGTCAAGTAGCAGCTGCTGGAGTGTCT
TAGTAATCCTTTATGACTGGTGCACCAACAGGACAATTTCCAACAGGAAGCTCATCAACCAATCCTTTCT
TTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001135596

Insert Size: 1686 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_001135596.1](#), [NP_001129068.1](#)

RefSeq Size: 3267 bp

RefSeq ORF: 1686 bp

Locus ID: 363266

UniProt ID: [Q4KLH5](#)

Cytogenetics: 9q34

Gene Summary: Required for vesicle docking or fusion during acrosome biogenesis. May play a role in RNA trafficking or localization (By similarity).[UniProtKB/Swiss-Prot Function]