

Product datasheet for **MG208867**

Agfg1 (NM_010472) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agfg1 (NM_010472) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Agfg1
Synonyms:	AU045498; C85612; C130049H11Rik; D730048C23Rik; Hrb; RAB; Rip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208867 representing NM_010472
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCAGCGGAAGCGGAAGCAGGAGGAGAAGCACCTGAAGATGCTGCGGGACATGACGGGGCTGC
 CGCACAACCGCAAGTGTTCGACTGCGACCAGCGCGGCCACCTACGTGAACATGACGGTCGGCTCGTT
 CGTGTGCACCTCCTGCTCCGGCAGCCTGAGAGGGTTAAATCCACCTCACAGGGTGAATCTATCTCCATG
 ACAACATTTACACAACAGGAAATTGAATTCCTACAAAAACATGGAATGAAGTCTGCAAACAGATATGGC
 TAGGATTATTTGATGACAGATCTTCAGCAATCCAGACTTCAGGGATCCACAAAAAGTAAAAGAGTTTCT
 ACAAGAGAAATATGAAAAGAAAAGATGGTATGTTCCGCCAGAGCAAGCCAAAGTGGTGGCCTCGTTTCAT
 GCGTCTATTTAGGGTCTTCTGCCAGCAGCACAAGCAGCACCCCGGAGGTCAAGCCCTGAAATCCCTGT
 TGGGAGAGTCTGACCCGCACTGCACCTAAATAAGGGCACACCTAGTCAGTCCCCAGTTGTAGGTCGCTC
 TCAAGGGCAGCAGGAGAAGAAGCAGTTTGACCTTTTGAGTGATCTTGGCTCAGACATCTTTGCTGCT
 CCAGCTCCTCAGTCAACAGCTACAGCCAATTTTGCTAACTTTGCACACTTAAACAGTCATGCAGCTCAGA
 ATTCTGCAAAATGCAGATTTTGCAAACTTTGATGCATTTGGACAGTCTAGTGGTTCGAGTAAATTTGGAGG
 TTTCCCCACAGCAAGTCACTCTTCTTTTTCAGCCCCAGACTACAGGTGGAAGTGTGGATCAGTAAATGCT
 AATTTTGCTATTTTGATAACTTCCCTAAATCCTCCAGTGTGATTTTGGAACTTCAGTACATCCCAGA
 GTCATCAGACAGCATCACTGTTAGTAAAGTTTCAACAAACAAAGCTGGTTTACAGACAGCAGACAAATA
 TGCGGCACTTGCTAATTTAGACAATATCTTCAGTGCTGGGCAAGGAGGTGATCAAGGGAGTGGTTTTGGG
 ACCACGGGTAAGCTCCTGTTGGTCTGTGGTTTCAGTCCCAGTCATTCAAGTGCATCTTCAGACAAGT
 ATGCAGCCCTGGCAGAGTTAGACAGCGTGTTCAGCTCTGCAGCCACCTCCAGTAAATGCGTACACGCCAC
 CAGTAATGCTAGCAGCAGTGTCTTTGGAACAGTGCCTGTGGGTGCCTCTGCTCAGACACAACCTGCTTCA
 AGTGGTCTGCTCCGTTTGGGGCTACGCCTTCTACGAATCCATTTGTTGCTGCTACTGGTCTTCTGCGG
 CATCGTCTACAAACCCATTTAGACCAATGCCAGAGGAGCAACAGCGGCAACCTTTGGCACCAGCATCTAT
 GAGTATGCCAGCAGGATTTGGCACTCCTGCCAGTATAGTCTCCCTACCAGCTTTAGTGGCAGTTTCCAG
 CAGCCTGCCTTCCAGCCCAAGCAGCTTCCCTCAGCAGACAGCCTTTTCTCAACAGCCCAATGGTTTCG
 CCACGTTTGGACAACAAAACAGTGGTAAACCCCTTTTCGGTCAAGTAGCAGCTGCTGGAGTGTCTAGTAA
 TCCTTTTATGACTGGTGCGCCACAGGACAACCTCCAACAGGAAGCTCATCCACCAACCCCTTCTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208867 representing NM_010472
 Red=Cloning site Green=Tags(s)

MAASAKRKQEEKHLKMLRDMTGLPHNRKCFDQQRGPTYVNMVGSFVCTSCSGSLRGLNPPHRVKSISM
 TTFQQEIEFLQKHGNEVCKQIWLGLFDDRSAIPDFRDPQKVKEFLQEKYKRWYVPPPEQAKVVASVH
 ASISGSSASSTSTPEVKPLKSLGLESAPALHLNKGTPSQSPVVGSRQGGQEQEKQFDLLSDLGSDIFAA
 PAPQSTATANFANFAHFNSHAAQNSANADFANFDFGQSSGSSNFGFPTASHSSFQPQTGGGAGSVNA
 NFAHFDNFPKSSSADFGTFSTSQSHQASTVSKVSTNKAGLQADKYAALANLDNIFSAGQGGDQGSFG
 TTGKAPVGSVSVSPSHSSASSDKYAALAE LDSVFSSAATSSNAYTPTSNASSSVFGTVPVGASAQTQPAS
 SGPAPFGATPSTNPFVAATGPSAASSTNPFQTNARGATAATFGTASMSMPAGFGTAPQYSLPTFSGSGFQ
 QPAPFAQAAPQQTAFSQPNFGATFGQTKPVVTFPGQVAAAGVSSNPFMTGAPTGLPTGSSSTNPFLL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_010472

ORF Size: 1677 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: [NM_010472.3](#)

RefSeq Size: 3137 bp

RefSeq ORF: 1680 bp

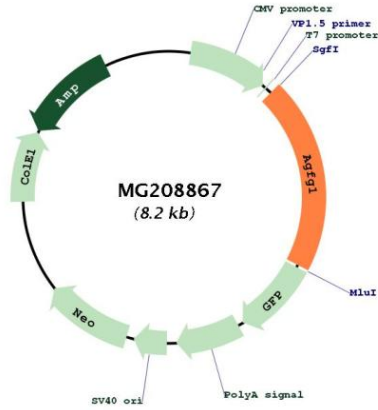
Locus ID: 15463

UniProt ID: [Q8K2K6](#)

Cytogenetics: 1 C5

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

Product images:



Circular map for MG208867