

Product datasheet for **MG205909**

Rrh (BC046288) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rrh (BC046288) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rrh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205909 representing BC046288 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAGTGAGGCTTCGGATTTTAACAGCTCGGGCTCTAGGAGCGAAGGTTCTGTCTTTCAAGGACTG
 AGCACAGCGTCATAGCGGCTTACCTGATTGTGGCAGGTATCACGAGCATTCTCAGCAACGTAGTAGTCCT
 GGGTATCTTCATCAAGTACAAGGAGCTGCGGACACCCACCAATGCAGTGATTATCAACCTGGCTTTCAGC
 GATATAGGGTTCAGTAGCATCGGCTATCCCATGTCTCGGCTTCAGATCTGCATGGAAGTTGAAATTTG
 GACATGCAGGCTGTCAGTTCAGGGAAGAAACGACAGGCAGGTGACTGGTGCCTGTATACATGTCTTGT
 ACCGCATGTATGCAATGCTGGTGGAGCCAAGAGGAGGGCAGTGGATCTCCTAAAGCTGACTCTACAGATG
 GATATTTATGCAGGACTGAATATCTTCTTTGGGATGGTGAAGCATTGGCTTACTCACGGTTGTAGCTATGG
 ATCGGTACCTGACCATCAGTTGCCCTGATGTAGGACGAAGAATGACCACCAACACTTACCTCAGCATGAT
 CCTGGGCGCCTGGATCAATGGCCTGTTTGGGCTTTGATGCCCATCATAGGGTGGGCTAGTTATGCCCCG
 GATCCTACAGGGGCCACGTGTACCATAAAGTGGCGGAATAATGATACCTCGTTCGTGCTTACACCATGA
 TGGTTATCGTGGTGAATTCATTGTGCCCTTGACAGTGATGTTTACTGTTACTACCACGTCAGTCGGTC
 CCTGAGACTCTACGCCGCTAGTGACTGCACTGCACACCTCCACAGAGACTGGGCAGACCAGGCAGATGTA
 ACAAAGATGTCTGTGATAATGATACTGATGTTTCTGCTGGCATGGTCCCCTTATTCATCGTGTGCTTGT
 GGGCTTGTGTTTGGAAACCCCAAAAGATTCTCCTTCAATGGCTATCATAGCTCCACTGTTTGCAAATC
 CTCTACGTTCTACAACCCTGTATTTACGTGGCTGCGCATAAGAAGTTTCGGAAGGCCATGTTGGCCATG
 TTTAAATGCCAACCTCACCTAGCAGTGCCCTGAGCCAAGTACTCTACCAATGGATATGCCTCAGAGCTCAT
 TGGCTCCTGTGAGGATC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA


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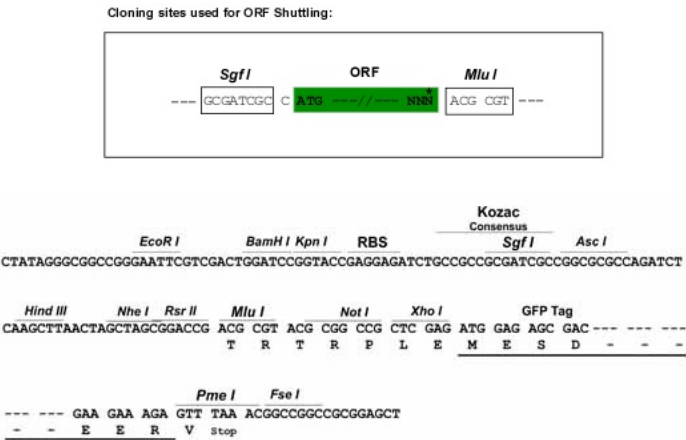
Protein Sequence: >MG205909 representing BC046288
 Red=Cloning site Green=Tags(s)

MLSEASDFNSSGSRSEGSVFSRTEHSVIAAYLIVAGITSILSNVVVLGIFIKYKELRTPNAVIINLAFT
 DIGVSSIGYPMSAASDLHGSKWFGHAGCQFQGRNDRQVTGCLYTCLVPHVCNAGGAKRRAYDLLKLTQM
 DIYAGLNIFFGMVSIGLLTVVAMDRLTISCPDVGRRMTNTYLSMILGAWINGLFWALMPIGWASYAP
 DPTGATCTINWRNNDTSFVSYTMMVIVNFIVPLTMFVFCYYHVSRLRLYAASDCTAHLHRDWADQADV
 TKMSVIMILMFLLAWSPIVCLWACFGNPKIPPMAIIAPLFAKSSTFYNPCIYVAHHKKFRKAMLAM
 FKQPHLAVPEPSTLPMDMPPQSSLAPVRI

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC046288

ORF Size: 1137 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: BC046288, AAH46288

RefSeq Size: 1533 bp

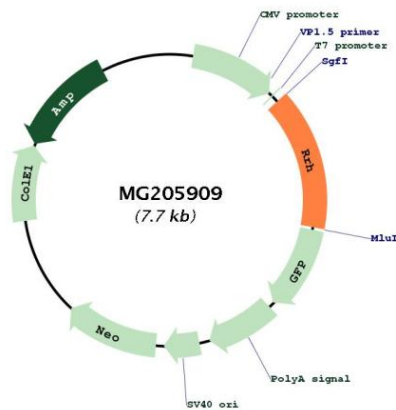
RefSeq ORF: 1139 bp

Locus ID: 20132

Cytogenetics: 3 59.09 cM

Gene Summary: May play a role in rpe physiology either by detecting light directly or by monitoring the concentration of retinoids or other photoreceptor-derived compounds.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205909