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Product datasheet for MR205909

Rrh (BC046288) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rrh (BC046288) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rrh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR205909 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGAGTGAGGCTTCGGATTTTAACAGCTCGGGCTCTAGGAGCGAAGGTTCTGTCTTTTCAAGGACTG
AGCACAGCGTCATAGCGGCTTACCTGATTGTGGCAGGTATCACGAGCATTCTCAGCAACGTAGTAGTCCT
GGGTATCTTCATCAAGTACAAGGAGCTGCGGACACCCACCAATGCAGTGATTATCAACCTGGCTTTCACG
GATATAGGGGTCAGTAGCATCGGCTATCCCATGTCTGCGGCTTCAGATCTGCATGGAAGTTGGAAATTTG
GACATGCAGGCTGTCAGTTCCAGGGAAGAAACGACAGGCAGGTGACTGGGTGCCTGTATACATGTCTTGT
ACCGCATGTATGCAATGCTGGTGGAGCCAAGAGGAGGGCAGTGGATCTCCTAAAGCTGACTCTACAGATG
GATATTTATGCAGGACTGAATATCTTCTTTGGGATGGTGAGCATTGGCTTACTCACGGTTGTAGCTATGG
ATCGGTACCTGACCATCAGTTGCCCTGATGTAGGACGAAGAATGACCACCAACACTTACCTCAGCATGAT
CCTGGGCGCCTGGATCAATGGCCTGTTTTGGGCTTTGATGCCCATCATAGGGTGGGCTAGTTATGCCCCG
GATCCTACAGGGGCCACGTGTACCATAAACTGGCGGAATAATGATACCTCGTTCGTGTCTTACACCATGA
TGGTTATCGTGGTGAACTTCATTGTGCCCTTGACAGTGATGTTTTACTGTTACTACCACGTCAGTCGGTC
CCTGAGACTCTACGCCGCTAGTGACTGCACTGCACACCTCCACAGAGACTGGGCAGACCAGGCAGATGTA
ACAAAGATGTCTGTGATAATGATACTGATGTTTCTGCTGGCATGGTCCCCTTATTCCATCGTGTGCTTGT
GGGCTTGTTTTGGAAACCCCAAAAAGATTCCTCCTTCAATGGCTATCATAGCTCCACTGTTTGCAAAATC
CTCTACGTTCTACAACCCCTGTATTTACGTGGCTGCGCATAAGAAGTTTCGGAAGGCCATGTTGGCCATG
TTTAAATGCCAACCTCACCTAGCAGTGCCTGAGCCAAGTACTCTACCAATGGATATGCCTCAGAGCTCAT
TGGCTCCTGTGAGGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

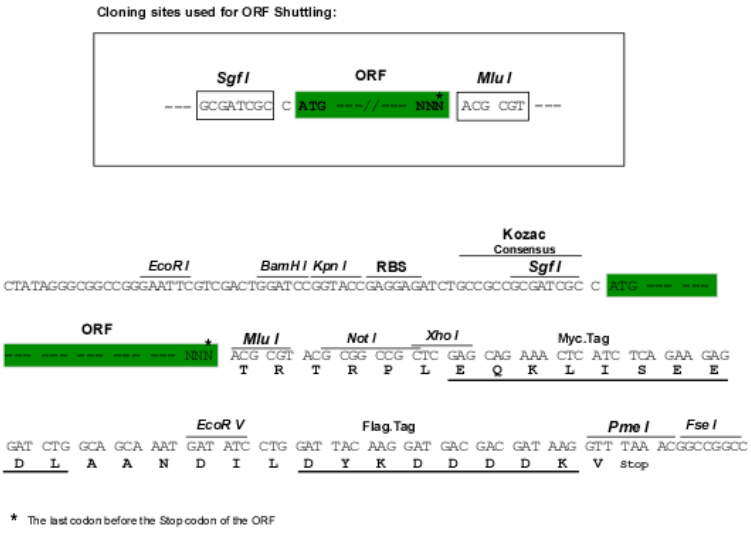
>MR205909 protein sequence
Red=Cloning site Green=Tags(s)

MLSEASDFNSSGSRSEGSVFSRTEHSVIAAYLIVAGITSILSNVVVLGIFIKYKELRTPTNAVIINLAFT
DIGVSSIGYPMSAASDLHGSWKFGHAGCQFQGRNDRQVTGCLYTCLVPHVCNAGGAKRRAVDLLKLTLQM
DIYAGLNIFFGMVSIGLLTVVAMDRYLTISCPDVGRRMTTNTYLSMILGAWINGLFWALMPIIGWASYAP
DPTGATCTINWRNNDTSFVSYTMMVIVVNFIVPLTVMFYCYYHVSRSLRLYAASDCTAHLHRDWADQADV
TKMSVIMILMFLLAWSPYSIVCLWACFGNPKKIPPSMAIIAPLFAKSSTFYNPCIYVAAHKKFRKAMLAM
FKCQPHLAVPEPSTLPMDMPQSSLAPVRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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).

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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

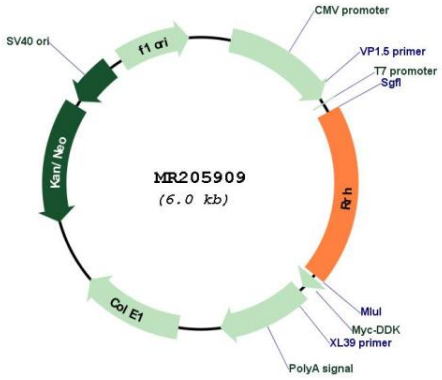
Locus ID: 20132

Cytogenetics: 3 59.09 cM

MW: 41.9 kDa

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 MR205909

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