

Product datasheet for **RG209395**

RHOJ (NM_020663) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHOJ (NM_020663) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RHOJ
Synonyms:	ARHJ; RASL7B; TC10B; TCL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209395 representing NM_020663 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTGCAAAGAGGGAAGTACAGCAGCTGCGGCTGCAGGGGCAACGACGAGAAGAAGATGTTGAAGT
GTGTGGTGGTGGGGACGGTGCCGTGGGAAAACCTGCCTGTGATGAGCTACGCCAACGACGCCTTCCC
AGAGGAATACGTGCCACTGTGTTGACCACTATGCAGTTACTGTGACTGTGGGAGGCAAGCAACTTG
CTCGGACTGTATGACACCGGGACAGGAGGACTACAACCAGCTGAGGCCACTCTCTACCCCAACACGG
ATGTGTTTTTGTCTGCTTCTGTGCGTAAACCCTGCCTTTACCACAATGTCCAGGAGGAATGGGTCCC
CGAGCTCAAGGACTGCATGCCTCAGTGCCTTATGTCCTCATAGGGACCCAGATTGATCTCCGTGATGAC
CCAAAAACCTTGCCCGTTTGTGTATATGAAAGAGAAACCTCTCACTTACGAGCATGGTGTGAAGCTCG
CAAAGCGATCGGAGCACAGTGCTACTTGGAAATGTTTCAGCTCTGACTCAGAAAGGTCTCAAAGCGTTTT
TGATGAAGCAATCCTCACCATTTCCACCCCAAGAAAAAGAAACGCTGTTCTGAGGGTCACAGCTGC
TGTTCAATTATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209395 representing NM_020663
 Red=Cloning site Green=Tags(s)

MNCKEGTDSSCGCRGNDEKMLKCVVVG DGAVGKTCLLSYANDAFPEEYVPTVFDHYAVTVTVGGKQHL
 LGLYDTAGQEDYNQLRPLSYPN TDVFLICFSV VNPASYHN VQEEWVPELKDCMPHVPYVL IGTQIDL RDD
 PKTLARLLYMKEKPLTYEHGVKLAKAIGAQCYLECSAL TQKGLKAVFDEAILTIFHPK KKKKRCSEGHSC
 CSII

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020663

ORF Size: 642 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_020663.5](#)

RefSeq Size: 1907 bp

RefSeq ORF: 645 bp

Locus ID: 57381

UniProt ID: [Q9H4E5](#)

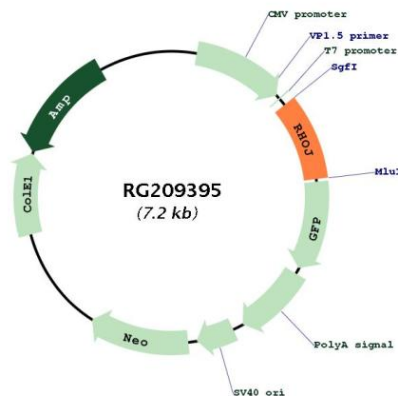
Cytogenetics: 14q23.2

Domains: ras, RAS, RHO, RAB

Protein Families: Druggable Genome

Gene Summary: This gene encodes one of the many small GTP-binding proteins in the Rho family shown to be associated with focal adhesions in endothelial cells (PMID: 21148427, 22103495). The encoded protein is activated by vascular endothelial growth factor and may regulate angiogenesis. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RG209395