

## Product datasheet for **MG201368**

### Rhoj (BC060193) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rhoj (BC060193) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Rhoj  
**Synonyms:** TC10L, TCL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201368 representing BC060193  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTGCAGAGAGAGGACCGACAGCAGCTGCGGCTGCAATGGACATGAGGAGAACAGGATCCTGAAGT  
GCGTGGTGGTCGGGGACGGCGGTTGGGAAGACCTGCTTGCTGATGAGCTACGCCAACGACGCCTTCCC  
AGAGGAATACGTGCCACTGTGTTTGACCACTACGCAGTTACCGTGACGGTGGGAGGCAAGCAGCACTTG  
CTTGGACTATACGACTGCAGGACAGGAGGATTACAACCAGCTGCGGCCACTCTTACCCCAACACAG  
ATGTGTTTCTCATCTGCTTCTGTCTGTAACCCAGCCTTACCACAACGTTTCAGGAGGAGTGGGTCCC  
GGAAGTGAAGGACTGCATGCCTCATGTGCTTATGTGCTCATCGGAACCCAGATTGATCTCCGAGATGAC  
CCCAAAACCTTGGCGCTGCTGTACATGAAGGAGAAGCCCCTCACCTATGAGCACGGCGTGAAGCTGG  
CGAAAGCGGTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201368 representing BC060193  
 Red=Cloning site Green=Tags(s)

MSCRERTDSSCGCNGHEENRILKCVVVGDAVGKTCLLMSYANDAFPEEYVPTVFDHYAVTVVGGKQHL  
LGLYDTAGQEDYNQLRPLSYNTDVFLICFSVVPASVHNQEEWVPELKDCMPHPVYVLIGTQIDLRDD  
PKTLARLLYMKEKPLTYEHGVKLAKAV

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

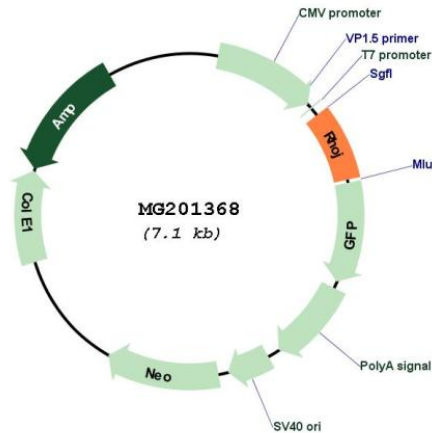


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Cloning Scheme:



Plasmid Map:



ACCN: BC060193

ORF Size: 503 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC060193</a></u>
<b>RefSeq Size:</b>	4792 bp
<b>RefSeq ORF:</b>	503 bp
<b>Locus ID:</b>	80837
<b>Cytogenetics:</b>	12 C3
<b>Gene Summary:</b>	Plasma membrane-associated small GTPase specifically involved in angiogenesis (By similarity). Required for endothelial cell migration during vascular development via its interaction with GLUL (By similarity). Elicits the formation of F-actin-rich structures, thereby regulating endothelial cell migration (PubMed:10967094).[UniProtKB/Swiss-Prot Function]