

Product datasheet for SC102669

RHOJ (NM_020663) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHOJ (NM_020663) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHOJ
Synonyms:	ARHJ; RASL7B; TC10B; TCL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_020663 edited

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CAGGCGGTACGGTGGGAGGTCTATATAAGCAGTGCTCATTTAGGTGACACTATAGAATA
CAAGCTACTTGTCTTTTTGACGCGCCGCAATTCGGCACGAGGCTTCATGTGCTTTGG
AAAAAGCAGGAGAAGCAATAGCAGCAGGAGTCCCCAGCAGCTGGAGCCGCAAGAATGAAC
TGCAAAGAGGGAAGTACAGCAGCTGCGGCTGCAGGGGCAACGACGAGAAGAAGATGTTG
AAGTGTGTGGTGGTGGGGACGGTGCCGTGGGAAAACCTGCCTGCTGATGAGCTACGCC
AACGACGCCTTCCCAGAGGAATACGTGCCCACTGTGTTTGACCACTATGCAGTTACTGTG
ACTGTGGGAGGCAAGCAACACTTGCTCGGACTGTATGACACCGCGGGACAGGAGGACTAC
AACCAGCTGAGGCCACTCTCTACCCCAACACGGATGTGTTTTGATCTGCTTCTCTGTC
GTAAACCCTGCCTTTACCACAATGTCCAGGAGGAATGGGTCCCCGAGCTCAAGGACTGC
ATGCCTCACGTGCCTTATGTCCTCATAGGGACCCAGATTGATCTCCGTGATGACCCAAA
ACCTTGCGCCGTTTGCTGTATATGAAAGAGAAACCTCTCACTTACGAGCATGGTGTGAAG
CTCGCAAAAGCGATCGGAGCACAGTGCTACTTGGAATGTTAGCTCTGACTCAGAAAGGT
CTCAAAGCGGTTTTTGATGAAGCAATCCTCACCATTTTCCACCCCAAGAAAAAGAGAA
CGCTGTTCTGAGGGTCACAGCTGCTGTTCAATTATCTGAGGTTGTCTGGGACCTGCCTCC
ACCCATCCAGGGATGAGAATGGCAGCCAATCTCTGTGGCCAAGCTCCAGCCAAAAGGA
GGGCACGACAGAAAGGAACCTCTTTGCACGGAGGCTTGCCCATCACCTCTGAGCCC
TCCCAACACAGCACACTAGTCAGCCCACTGCCACGACCTCCCTGCCAGCCAGAAGCATCC
GTACTGCACGCTGTCTGAGAATGCTGGGCTGGATTGCAGACAGTGCCGCTGCTGATCGC
ATCAAATACAAAGTCAAAGGCCATCTCACATTTTACAAATCCCCAGCTCATGAACGTGAA
GCTGATAGGAAATCACCCCA
  
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020663 unedited
 CCATTTCCCGCCCGTTGGCCGCTTTGGGCGGCAGGCGTGTACGGTGGGAGGTCTATATAAG
 CAGTGTTTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTCAGCGGCCGC
 GAATTCGGCAGCAGGCTTCATGTGCTTTGGAAAAAGCAGGAGAAGCAATAGCAGCAGGAG
 TCCCCAGCAGCTGGAGCCGCAAGAATGAACTGCAAAGAGGGAAGTACAGCAGCTGCGGC
 TGCAGGGGCAACGACGAGAAGAAGATGTTGAAGTGTGTGGTGGTGGGGACGGTGCCGTG
 GGGAAAACTGCCTGCTGATGAGCTACGCCAACGACGCTTCCCAGAGGAATACGTGCC
 ACTGTGTTTGACCACTATGCAGTTACTGTGACTGTGGGAGGCAAGCAACACTTGCTCGGA
 CTGTATGACACCGCGGGACAGGAGGACTACAACCAGCTGAGGCCACTCTCTACCCCAAC
 ACGGATGTGTTTTGATCTGCTTCTGTCTGTAAACCCTGCCTCTTACCACAATGTCCAG
 GAGGAATGGGTCCCCGAGCTCAAGGACTGCATGCCTCACGTGCCTTATGCTCTATAGGG
 ACCCAGATTGATCTCCGTGATGACCAAAAACTTGGCCCGTTTGTGTATGAAAGAG
 AAACCTCTCACTACGAGCATGGTGTGAAGCTCGCAAAGCGATCGGAGCACAGTGCTAC
 TTGAATGTTTCTGCTGACTCAGAAGGTCTCAAAGCGGTTTTGATGAAGCAATCTCA
 CCATTTTCCACCCCAAGAACAAGAAGAAACGCTNNGTCTGAGGTCACAGCTGCTGTTCAA
 TATCCTGAGATGTCTGGGACCTGCCTTACCCATCCTAGGATGAGCATGCCAGCCAATCT
 CTGTGGCCAGCTCCAGCCACAGGNAGGGCACGAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020663 unedited
 GATACTCTATGNNACCGCGGCCGAATTTANGATCGAGTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTAAAGCATCTATAGAGTGTATCTTTGGCAAAAATGTGGACCTGCAAC
 AATTGAGATGGTTTTCTTTCAATTAGGTTCAAAAATCATGGCTCTGTAAATTTCCAAAAC
 TTTTAAAGTCTTCTCATGTCTTCTTATAATCGGGCATTACAGGTAACCTGTTGGTTCTAA
 TAGCTTTGGTAGAAACATGCTGAAAATAGAAATGAATATAAAATGCCTTGTCTTTAGGCT
 AATTTGGTATGGATTAGTAAGGCCTGAGTGAAGTGGAAATTAGTACATTTCTTGAATAA
 TACAAATGAATGTGAGACACATGGGTAGAACAGCAGATTACAGAAAAAAGGTTAGTATTG
 TAGTCCCAAGTTTTATAAAAGACATCAAGTAAGGCCAGCAATTGAGGAATCAAGTTTCTT
 TTTCGGGTTCCCTGGGGTGATTTCTATCAGCTTCCCGTTTATGAGCTGGGGATTGTAA
 AATGGGAGATGGCCTTTGACTTTGGTTTTGATGCCATCAGCAGCGGCACTGTTTGCAATT
 CCAGCCCCACATTCTTAAACAGCGTGCAATACGGATGCCTTTTGGCTGCCAGGAAGTCTG
 GGCCTGGGCCTCCCTATGGCCTCTTTGGGAGGCCTCAAAGGGGATGGGGCCAAACCCCT
 GCCAAGGGATTCTTTTTTGGCCCCCCCCCTTTTGGGGTGGCCTTGGCCCCAAAAATGGC
 GGCCCATCTCCCCCGGAGGGGGGGGGGGCCGGCCCCACCCACCCGAAAATTGAACCCA
 CCTTGTGACCTCCAAAAACCTGTTTTTTCTTTTTTGGGGGGAAAAAGAGAGGATGGGTT
 TCGAAAAAC

Restriction Sites:

NotI-NotI

ACCN:

NM_020663

Insert Size:

1500 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_020663.2, NP_065714.1</u>
RefSeq Size:	1907 bp
RefSeq ORF:	645 bp
Locus ID:	57381
UniProt ID:	<u>Q9H4E5</u>
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]