

Product datasheet for **SC122817**

RHOD (NM_014578) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RHOD (NM_014578) Human Untagged Clone
Tag: Tag Free
Symbol: RHOD
Synonyms: ARHD; Rho; RHOHP1; RHOM
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014578 edited
 CTGGGTCTCTGCGCCGACGCCGCCCGCCCGCCCGCTCAGCGCCCGCCCGGGATGACGG
 CGGCCACGGCCCGGGTGAGGAGCGGCCACAGGCGTGCGGTCCGTCAAGGTGGTCTTGG
 TGGGCGACGGCGGCTGCGGGAAGACGTCGCTGCTGATGGTCTTCGCCGATGGGGCCTTCC
 CCGAGAGCTACACCCACGGTGTGAGCGGTACATGGTCAACCTGCAAGTAAAAGGCA
 AACCTGTGACCTCCACATCTGGGACACAGCAGGGCAAGATGACTATGACCGCTGCGGC
 CCCTGTTCTACCCTGACGCCAGCGTCTGCTGCTTTGCTTCGATGTCACCAGCCGAACA
 GCTTTGACAACATCTTTAACCGGTGGTACCCAGAAGTGAATCATTTCTGCAAGAAGGTAC
 CCATCATCGTCGTGGGCTGCAAGACTGACCTGCGCAAGGACAAATCACTGGTGAACAAGC
 TCCGAAGAAACGGATTGGAGCCTGTGACCTACCACAGGGGCCAGGAGATGGCGAGGTCCG
 TGGGCGCGGTGGCCTACCTCGAGTGCTCGGCTCGGCTCCATGACAACGTCCACGCGTCT
 TCCAGGAGGCCCGGAGGTGGCCCTCAGCAGCCGCGTCCGCAACTCTGGCGGCGGATTA
 CCCAGGGCTTTTGCCTGGTGACCTGAGCGGCTCGGGGCGTCCCAGCGACGCGGGAAGGGG
 CAGGGCGCTGACCTGCTGCTGAGCTGGCTGGGCTGGACCCGGTCCCTAGGCTGTGACCGC
 CGAACTCCACTGCAACAGACGGGCGCCACCAAAGCCAGGCCCTGAGGCCTGGGAGTCTGTG
 GACTGAGAAAGGGGTTCTGGGCCACCTGCTCTGTGTAGGGCTCGTCTGCGGTGCC
 GAGAATCACTCGTAACCCCTATGCCCGGTCCCGGACCGACATCCTGGAGCCGCTGTGC
 AGCCTGATGCCCCCTCGTGGCTGCTCCAGGGCTGCACCTGCCAGGACCTAATGTTCTTA
 GGTCCCTCTGGCCAGAACCACACCCGGCCCTTCCCACCTGTCACTGGTAACGTGTA
 CAAGAAAAACGACATCAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014578 unedited GTCCACATATTTGTAATACGACTCACTATTAGGGCGGCCGCGATTCCCGGGATATCGTCCG ACCCACGCGTCCGCTGGGTCTCTGCGCCGACGCCGCCGCCGCCGCTCAGCGCCCGGC CCCGGGATGACGGCGGCCAGGCCGCGGGTGAGGAGGCGCCACCAGGCGTGCGGTCCGTC AAGGTGGTCTGGTGGGCGACGGCGGCTGCGGGAAGACGTCGCTGCTGATGGTCTTCGCC GATGGGGCCTTCCCGAGAGCTACACCCCACGGTGTGGAGCGGTACATGGTCAACCTG CAAGTGAAGGCAAACCTGTGCACCTCCACATCTGGGACACAGCAGGGCAAGATGACTAT GACCGCCTGCGGCCCTGTTCTACCCTGACGCCAGCGTCCTGCTGCTTTGCTTCGATGTC ACCAGCCCGAACAGCTTTGACAACATCTTTAACCGGTGGTACCCAGAAGTGAATCAATTC TGCAAGAAGGTACCCATCATCGTCGTGGGCTGCAAGACTGACCTGCGCAAGGACAAATCA CTGGTGAACAAGCTCCGAAGAAACGGATTGGAGCCTGTGACCTACCACAGGGGCCAGGAG ATGGCGAGGTCCGTGGGCGCGGTGGCCTACCTCGAGTGCTCGGCTCGGCTCCATGACAAC GTCCACGCGTCTTCCAGGAGGCCCGGAGGTGGCCCTCAGCAGCCGCGGTGCGAACTTC TGGCGGCGGATTACCCAGGGCTTTTGCCTGGTACCTGAGCGGCTCGGGGCGTCCCANCG ACGCGGGGAGGGGAGGGCGCTGACCTGCTGCTGAGCTGGCTGGGCTGGACCCGTCCT AGGCTGTGACCGCGAACTCCACTTGACACAGACGGGCGCCACCAAGCCAGGCCCTGAGC CTGGGAGTCTGTACTGANAAGGGGGTTCC
Restriction Sites:	Please inquire
ACCN:	NM_014578
Insert Size:	1111 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:	<ol style="list-style-type: none"> 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_014578.2 , NP_055393.1
RefSeq Size:	1111 bp
RefSeq ORF:	633 bp
Locus ID:	29984
UniProt ID:	O00212
Cytogenetics:	11q13.2
Protein Pathways:	Axon guidance

Gene Summary:

Ras homolog, or Rho, proteins interact with protein kinases and may serve as targets for activated GTPase. They play a critical role in muscle differentiation. The protein encoded by this gene binds GTP and is a member of the small GTPase superfamily. It is involved in endosome dynamics and reorganization of the actin cytoskeleton, and it may coordinate membrane transport with the function of the cytoskeleton. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).