

## Product datasheet for SC333911

### RHOD (NM\_001300886) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | RHOD (NM_001300886) Human Untagged Clone   |
| Tag:                      | Tag Free   |
| Symbol:                   | RHOD   |
| Synonyms:                 | ARHD; Rho; RHOHP1; RHOM  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC333911 representing NM_001300886.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

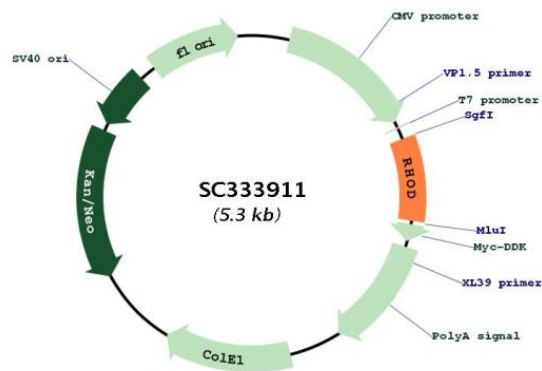
```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACGGCGGCCAGGCCGCGGGTGAGGAGGCCACCAGGCGTGCGGTCCGTC AAGGTGGTCTGGTG
GGCGACGGCGGCTGCGGGAAGACGTCGCTGCTGATGGTCTTCGCCGATGGGGCTTCCCCGAGTGGTAC
CCAGAAGTGAATCATTCTGCAAGAAGGTACCCATCATCGTCGTGGGCTGCAAGACTGACCTGCCAAG
GACAAATCACTGGTGAACAAGCTCCGAAGAACGGATTGGAGCCTGTGACCTACCACAGGGGCCAGGAG
ATGGCGAGGTCCGTGGGCGGGTGGCCACCTCGAGTGTGCGCTCGGCTCCATGACAACGTCCACGCC
GTCTTCCAGGAGCCGCCGAGGTGGCCCTCAGCAGCCCGGTGCAACTTCTGGCGCGGATTACCCAG
GGCTTTTGCCTGGTGACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

## Plasmid Map:



ACCN: NM\_001300886

Insert Size: 435 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: [NM\\_001300886.1](#)

RefSeq Size: 952 bp

RefSeq ORF: 435 bp

Locus ID: 29984

Cytogenetics: 11q13.2

Protein Pathways: Axon guidance

MW: 15.7 kDa

**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 (2) lacks an alternate in-frame segment compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.