

Product datasheet for MC203609

Rhod (NM_007485) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rhod (NM_007485) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rhod
Synonyms: AI326383; Arhd; Rho; RhoHP1; RhoM
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC047989
CGCCGGGCCAGCCCCGCGCCCGCCGAGCCAGCCCGCCGCTACCGCCTGCTGCTCCGCGCACCCGCGTC
CGCCAGCCAGGGATGAACGCGTCCCAGGTTGCGGGAGAAGAGGCGCCGAGAGCGGGCACCTCGGTCAAGG
TGGTCCTGGTGGGCGACGGGGCTGCGGGAAGACGTCACCTGATGATGGTCTTCGCCAAAGGGCCTTCCC
AGAGAGCTACAGTCCCACAGTGTGGAGCGCTATAATGCCACTCTGCAGATGAAGGGTAAACCTGTGCAC
CTCCAAATCTGGGACACAGCCGGGAAGATGACTATGACCGCCTCCGGCCCTTGTCTATCCTGATGCCA
ATGTCTTGCTCCTCTGCTTCGATGTGACCAATCCAAACAGCTTTGACAACGTCTCCAACCGGTGGTACCC
AGAGGTGACACATTTCTGCAAGGGAGTGCCCATCATTGTTGTGGGCTGCAAGATAGACCTGCGTAAGGAC
AAGGTGCTGGTGAACAACCTGCGGAAGAAAAGACTGGAGCCCGTGACCTACCACAGGGGCCACGATATGG
CAAGGTCTGTGGGAGCGGTGGCCTATCTTGAGTGTTGAGCTCGGCTCCATGACAACGTGGAAGCCGCTTT
CCAGGAAGCAGCAGAAGTGGCTCTCAGCAGTCGCAGACATAACTTTGGCGGCGGATTACTCAGAATTGT
TGCTTGGCCACCTGACTGGCTTGAACCCACCTTGCCCTTCGGTTTACTCCGCTGCAGAAAGACCCAGAA
GCAGAACTTGTACTCTGTTGACTGGGATGGACCTAATCCCTAGGCTGAGCTGGTAGAACCACACATCCAT
CCACAGATGGGCTCCAATGAGGCCTGGCCCTGGACCGAGGAATCCTGGATTGAGGAAGAGGGTTCCAG
ACCCTTAGCTCTGGAACCATTATAGACTCCTGTGCCCAATCCTGGACCTGCGTCTGAGCGGGGTCTGTG
CGGTCTGTTTGGCGCCACCTTGTGGCTATTCTATTGAGTTATATCTACAGGACCTAGGGTCCCAAGACC
ATCTTGCCCGGGCTAATACCCTGCCCGTCCGTGATCATCCTATTTATCCCATTGCTAAGTGAACAACCT
AAAATGGCAGCACTTGCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_007485
Insert Size: 633 bp



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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:	<u>BC047989</u> , <u>AAH47989</u>
RefSeq Size:	1153 bp
RefSeq ORF:	633 bp
Locus ID:	11854
UniProt ID:	<u>P97348</u>
Cytogenetics:	19 A
Gene Summary:	<p>Involved in endosome dynamics. May coordinate membrane transport with the function of the cytoskeleton. Involved in the internalization and trafficking of activated tyrosine kinase receptors such as PDGFRB. Participates in the reorganization of actin cytoskeleton; the function seems to involve WHAMM and includes regulation of filopodia formation and actin filament bundling. Can modulate the effect of DAPK3 in reorganization of actin cytoskeleton and focal adhesion dissolution.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>