

Product datasheet for **MC207452**

Rhof (NM_175092) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rhof (NM_175092) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rhof
Synonyms: AI845056; Arhf; AV026554; Ifld1; Rif
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207452 representing NM_175092
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACGCCCCGGGTGCTCCGGCCCCAGCCGCCGCCCCAGCTCGGCGAGGAAGGAGCTGAAGATAGTGA
TCGTAGGTGACGGCGGCTGCGGCAAGACGTCCTGCTAATGGTGTACTGCCAAGGCTCATTTCCCGAGCA
CTACGCCCGTGGTGTGGAGAAGTACACGGCTAGTGTGACAGTGGGTAAACAGGAGGTGACCCCTGAAC
CTCTACGACACGGCTGGGCAGGAAGACTACGATAGGCTGCGGCCCTTGCTCTACCAGAACACACCTCG
TCCTCATCTGCTACGATGTCATGAACCCACCAGTTACGACAACGTCCTCATCAAGTGGTTCCCCGAAGT
CACACATTTCTGCCGAGGGATCCCCACGGTGTCTCATCGGCTGCAAGACAGACCTGAGGAAGGACAAGGAG
CAGTTGCGGAAACTCCGGGCAGCTCAGCTGGAGCCTATTACCTACACACAGGGCCTGAATGCCTGTGAAC
AGATGCGAGGTGCACTCTATCTGGAATGTTCTGCCAAGTTTCGGGAGAATGTGGAAGATGTCTTCAGGGA
AGCCGCCAAGGTGGCCCTCAGCGCCCTGAAGAAAGCGCAGAGACAGAAAAACACAGGATCTGCCTGCTG
CTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_175092
Insert Size: 636 bp



[View online »](#)

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>NM_175092.3</u> , <u>NP_780301.1</u>
RefSeq Size:	2143 bp
RefSeq ORF:	636 bp
Locus ID:	23912
UniProt ID:	<u>Q8BYP3</u>
Cytogenetics:	5 62.77 cM
Gene Summary:	Plasma membrane-associated small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state. Causes the formation of thin, actin-rich surface projections called filopodia. Functions cooperatively with CDC42 and Rac to generate additional structures, increasing the diversity of actin-based morphology (By similarity). [UniProtKB/Swiss-Prot Function]