

Product datasheet for **MC205829**

Rhot2 (NM_145999) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhot2 (NM_145999) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rhot2
Synonyms:	Arht2; Miro2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029777
 GGCCGGGCGGGAGGGTGGGTTTGGGGTCTGCTGCGGGCAGCAGCCATGCGGCGCGATGTTCCGCATCC
 TGCTGCTGGGCGAGGCCAGGTGGGAAGACGTCTCTGATCCTGTGCTGGTCCGGCAGGAGTTCCCGA
 GGAGGTCCTGCCGCGCGGAGGAGATAACCATCCCCGCCAGCTCACCCGGAGAAGGTGCCACTCAT
 ATCGTGGATTACTCAGAAGCGGAGCAGACAGAGGAAGAACTTCAGGAGGAGATCCACAAGGCAAATGTAG
 TGTGTGGTGTACGATGTCTGAGGAGACCACATTGAGAAGATCCGAACCAAGTGGATCCCGCTTGT
 GAATGGCAGGACGGCGACAGGGCCAGGTTGCCATCATCTGGTGGGCAATAAGTCTGACCTGCGGCCG
 GGGAGTACCATGGAGGCTGTGCTGCCCATCATGAGCCAGTTTCTGAGATAGAGACCTGCGTGGAGTGT
 CAGCCAAGCACTTGAGGAATATCTCAGAGCTGTTCTACTATGCCCAAGGCTGTTCTGCATCCCCAGC
 CCCCCTTTATGACCCTGAGGCCAAACAGCTCAGGCCTGCATGCGCCAGGCGCTCACACGCATCTTCAGG
 CTGTGCGGACCAGGACCGAGACCAGGGCTGAGCGACGAGGAACTCAATGCCTTCCAGAAGTCTGCTTTG
 GCCATCCCCTGGCCCCACAGGCCCTGGAGGATGTGAAGAGGGTGGTGTGCAAGAAGTGTGAGTGGTGT
 GCAGAATGACCGCTGACCCTGGAAGGCTTCTCTTCTGAACACTCTTATCCAGCGTGGCCGGCAC
 GAGACCAGTGGACCATCTGCGGCGCTTGGTTACAGTACTGACTGAGCTAACGCCGACTACCTCT
 ATCCAGCGCTCCATGTCCCCCTGGCTGCAGCACAGAGCTCAACCATCGTGGCTACCAGTTTGTGCAGCG
 GATGTTGAGAAGCATGACCAGGACCATGATGGTGTCTCTCGCCACGGAACACAGAATCTTTCAGT
 GTGTTCTCAGGTGCTCCATGGGGCCCTGAACTTTACACACAGTCCCCACTCAGGCTGGGTGCTGCCTT
 TGCATGGCTATCTCTGCCAGTGGACCCTCATGACCTACTTGGATGTCCAGCAATGCCTTGCACACCTTGG
 CTACCTGGGTTACCCTACCCTCTGTGAACAGGACTCTCAGGCACAGGCTATCACAGTTACCCGCGAGAAG
 AAGCTGGACCAGGAGAAAAGGGCAGACACAGCGCAGCGTCTCATGTGTAAGGTGCTGGGAGCCCGAGGAG
 TGGGCAAGTCAGCCTTCTTGAAGCCTTCTTGGCAACAGCCTTGGGGAAGCCAGGGACCCCTGAGAA
 ATCCCCCTGCATACCATCAATACAGTGGGGTCAACGGGAGGAGAAGTACCTGATTCTGTGTAAGTG
 AATGCTGACAGCCTGCTGGACACCTCTAGACACTACCTGTGATGTGCGCTGCTTAATGTTTGACAGCA
 GTGATCCCAAGACCTTTGTACACTGTGCTACCATATACAAGCGTTATTACATGGATGGGAGACCCCTG
 CCTTTTATTGCCTCAAAGCTGATCTCCTGAAGGTGTTGCCCCCGAGGCTGTCACCCGCTGAGTTC
 TGCCGGAGGCACCGGCTGCCTGCCACAGCTTATTCTCCTGCTTGGGACCCGCAATGCCAGCACAGATG
 TCTTTACCAACTTGCTACCATGGCCACTTCCACACCTGGTGCACACAGAGCTGCACCCACCTCCTT
 CTGGCTCCGAGGAGTGTGGTGGCTGTGCGCACGGCTGTGGTGTGCTTACTTACTATACAGG
 GTCCTAGTGAAGAGCCGATGACAAAGGACCCATGAGCCTCTCCTGCCCCAGGCACAGCACACTGTGGT
 CCTTATGTGGGCCACACGGCAAAGAAGTATGGGCTTTCGGCCTGTTGGAGTAATATCTGTGTGGCTGGC
 TACAGGGTCCCTGGGACTGATGTGGGTTCTGCTCAGGAACTTGGTATTTAGATCTTGGCTTCCAAAAGT
 CTGTTGCCCTATCCAGGCTGTCTGTGAGCCTGAGAGTACTGGTCCAGGTGTGAGGCTTAGCCTT
 GGAGGGAGGGAGGATTGTGTGTAAGGGGCTGGGCTGTGGGTAAGGAATCCAGTGACCAGGACCCGAGTT
 CTCAGGGTGTGTTCCCCCTTCTGTTGTGCATGGCCAGTGGACATGTAGAGGGCAAGAGGTAGTGG
 TCAAATCAGGGAGGGACCCGATAGTCACAGAGTCCCACCTTTTGTGAGGTGTGGAGCCTATCCACAC
 TGCGCCAGCTGCAGAGCAAGCGGAAGTACTTTCTGATTAATTTCACTTGTCTTTCCAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_145999

Insert Size: 1863 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: [BC029777](#), [AAH29777](#)

RefSeq Size: 2467 bp

RefSeq ORF: 1863 bp

Locus ID: 214952

UniProt ID: [Q8JZN7](#)

Cytogenetics: 17 12.93 cM

Gene Summary: Mitochondrial GTPase involved in mitochondrial trafficking. Probably involved in control of anterograde transport of mitochondria and their subcellular distribution (By similarity).
[UniProtKB/Swiss-Prot Function]