

Product datasheet for **MR209606**

Rhot1 (NM_021536) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhot1 (NM_021536) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rhot1
Synonyms:	2210403N23Rik; AA415293; AF244542; AI834919; Arht1; C430039G08Rik; Miro1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR209606 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCCATGCGTGGCGGCCGAGTGGCCCTCGGAGCCTCCGACATGAAGAAAGACGTGAGGATCCTGCTGGTGG
GAGAACCCTCGAGTTGGGAAGACATCACTGATTATGTCGCTGGTCAGTGAAGAATTTCCGGAAGAGGTTCC
TCCCCGAGCAGAAGAAATCACCATTCCAGCTGACGTCAACCCCTGAAAGAGTTCCAACACACATTGTCGAT
TATTCAGAAGCAGAACAGAGTGATGAACAACCTTCATCAAGAAATATCACAGGCTAATGTTATCTGCATAG
TTTATGCTGTTAAACAACAAACATTCTATTGATAAGGTAACAAGCCGATGGATTCTCTCATAAATGAAAG
AACAGACAAAGACAGCAGGCTGCCTTTGATATTGGTTGGGAACAAATCTGATCTGGTGGAAATATAGTAGT
ATGGAGACCATCCTTCCAATTATGAACCAAGTATACAGAGATAGAGACCTGTGTGGAGTGTTCAGCAAAAA
ACCTAAAGAATATCTCAGAGCTGTTTTATTATGCACAGAAAGCTGTTCTTCATCTACAGGGCCTCTATA
CTGCCAGAGGAGAAAGAGATGAAACCGGCTTGATAAAGGCCCTCACTCGTATATTTAAAAATATCTGAT
CAGGATAACGACGGCACTCTGAATGATGCTGAGCTCAACTTCTCCAGAGAATTTGTTTCAACACTCCTT
TAGCTCCGCAAGCGCTGGAAGATGTCAAGAATGTGGTTAGAAAGCACTTAAGTGACGGTGTGGCTGACAG
TGGGCTGACGCTCAGAGGTTTTCTTTTTTACATACACTTTTTATCCAGAGGGGGAGGCATGAGACTACT
TGGACTGTGCTTCGACGATTTGGTTATGACGATGACCTGGACCTGACGCCTGAGTATTTATCCCTGC
TAAAAATACCTCCTGATTGCACTACTGAATTAATCATCATGCATATTTGTTTCTCCAGAGCACCTTTGA
CAAACATGATTTGGACAGAGACTGTGCTTTGTGCGCTGATGAACTTAAAGATTTATTTCAAGTTTTCT
TACATACCTTGGGACCAGATGTAATAACACAGTTTGCACAAATGAAAGAGGCTGGATAACCTACCAGG
GGTTCTCTCCAGTGGACGCTCACCACCTACTTAGATGTGCAGGTTGCCTGGAGTATTTGGGATATCT
AGGCTATTCATACTGACGGAACAAGAGTCTCAAGCTTCAGCCATTACAGTAACAAGGGATAAAAAGATT
GACCTGCAGAAAAACAGACTCAGAGAAATGTGTTCAAGTGAATGTAATTGGAGTGAAAGGCTGTGGGA
AAACTGGAGTTCTTCAGTCTCTCCTTGGAAAGAACTAATGAGGCAGAAGAAAATTCGTGATGATCATAA
GTCCTATTATGCAATTAACACTGTCTATGTATATGGACAAGAGAAATACTTGTGCTGCACGATATCTCA
GAGTCGGAATTTCTAACTGAGGCTGAGACCATTTGTGATGTTGTATGCCTGGTATATGATGTCACCAATC
CCAAATCCTTTGAATACTGTGCCAGGATTTTTAAGCAACATTTTATGGACAGCAGAATCCCTGCTTGAT
TGTAGCTGCAAAGTCAGACCTGCATGAAGTCAAACAGGAACATAGCATCTCACCTACTGATTTCTGCAGG
AAACACAAAATGCCTCCACCTCAAGCCTCACTTGCAATACTGCTGATGCCCCAGTAAGGATATCTTTG
TTAAGTTGACAACAATGGCCATGTACCCGCACGTGACACAAGCTGACCTCAAGAGCTCAACGTTCTGGCT
TCGCGCAAGCTTTGGTGCTACGGTCTTTCAGTGTGGGCTTTGCTATGTACAGGCACTACTGAAACAG
CGAACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_021536.3](#), [NM_021536.4](#), [NM_021536.5](#), [NM_021536.6](#), [NM_021536.7](#), [NP_067511.4](#)

RefSeq Size: 4137 bp

RefSeq ORF: 1896 bp

Locus ID: 59040

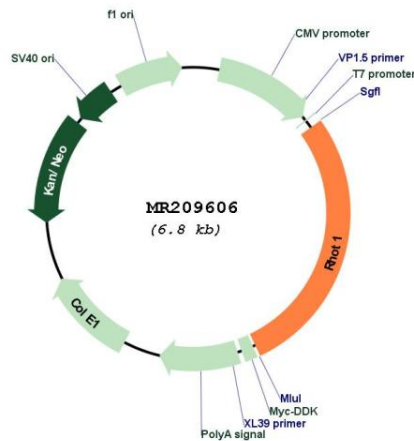
UniProt ID: [Q8BG51](#)

Cytogenetics: 11 47.62 cM

MW: 72.2 kDa

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]

Product images:



Circular map for MR209606