

Product datasheet for **SC336606**

MIRO1 (RHOT1) (NM_001288758) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIRO1 (RHOT1) (NM_001288758) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHOT1
Synonyms:	ARHT1; MIRO-1; MIRO1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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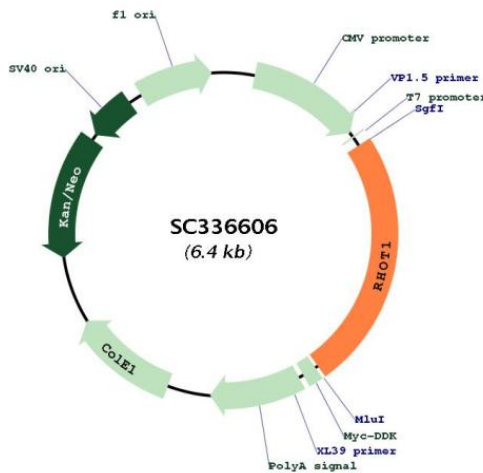
Fully Sequenced ORF: >SC336606 representing NM_001288758.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGACCATCCTTCTATTATGAACCAAGTATACAGAAATAGAAACCTGTGTGGAGTGTTCAGCGAAA
AACCTGAAGAACATATCAGAGCTCTTTTATTACGCACAGAAAGCTGTTCTTCATCCTACAGGGCCCTG
TACTGCCAGAGGAGAAGGAGATGAAACCAGCTTGATAAAAGCCCTTACTCGTATATTTAAATATCT
GATCAAGATAATGATGGTACTCTCAATGATGCTGAACTCAACTCTTTTCAGAGGATTTGTTTCAACT
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GTTTTGCAGTTTTGGGCTTTGCTATGTACAAAGCATTATTGAAACAGCGATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001288758

Insert Size:	1572 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:	<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_001288758.1</u>
RefSeq Size:	3360 bp
RefSeq ORF:	1572 bp
Locus ID:	55288
UniProt ID:	<u>Q8IXI2</u>
Cytogenetics:	17q11.2
Protein Families:	Transmembrane
MW:	60.4 kDa
Gene Summary:	<p>Mitochondrial GTPase involved in mitochondrial trafficking. Probably involved in control of anterograde transport of mitochondria and their subcellular distribution.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (7) differs in the 5' UTR, contains multiple coding region differences and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 7, which is shorter than isoform 1.</p>