

Product datasheet for **SC127208**

MIRO2 (RHOT2) (NM_138769) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIRO2 (RHOT2) (NM_138769) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIRO2
Synonyms:	ARHT2; C16orf39; MIRO-2; MIRO2; RASL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_138769 edited
 GAGCGAAAGGCTTGAGGACCAGGTCGGGGCCGGGTTCCGGGTCGGGGAGCGGCTCCGGGC
 GGCAGCTATGAGGCGGGACGTGCGCATCCTGTTACTGGGCGAGGCCAGGTGGGGAAGAC
 GTCGCTGATCCTGTCCTGGTGGGCGAGGAGTTCCCCGAGGAGGTCCTCCCCGCGCGGA
 GGAGATACGATCCCCGCGGACGTCACCCCGGAGAAGGTGCCACCCACATCGTGGACTA
 CTCAGAAGCCGACAGACGGACGAGGAGCTGCGGGAGGAGATCCACAAGGCAAACGTGGT
 GTGTGTGGTGTATGACGTCCTCTGAGGAGGCCACCATTGAGAAGATTGAACTAAGTGGAT
 CCCACTGGTGAATGGGGGACCACGCAGGGGCCAGGGTCCCCATCATCCTAGTGGGCAA
 CAAGTCAGACCTGCGGTGCGGGAGCTCCATGGAGGCCGTGCTCCCCATCATGAGCCAGTT
 TCCCGAGATTGAGACCTGCGTGGAGTGTTCGGCCAAGAACCTGAGGAACATCTCAGAGCT
 GTTCTACTACGCCAGAAGGCCGCTCCTGCATCCCACAGCCCCCTCTATGACCCTGAGGC
 CAAGCAGTTGAGGCCGCGTGCGCCAGGCGTGACGCGCATCTTCAGGCTCTCAGATCA
 GGACCTGGACCAGGCGCTCAGTGACGAAGAGCTCAACGCTTTCAGAAATCCTGCTTTGG
 GCACCCCTGGCCCCGAGGCCCTGGAGGACGTGAAGACGGTGGTGTGCAGGAACGTGGC
 GGGCGGCTGCGGGAGGACCGGCTGACCCTGGATGGTTTTCTCTCTCTGAACACGCTCTT
 CATCCAGCGCGGCCGACGAGACCACCTGGACCATCCTGCGGGCCTTCGGCTACAGCGA
 TGCCCTGGAGCTGACTGCGGACTATCTCTCCCCTCTGATCCACGTGCCCCCCGGCTGCAG
 CACGGAGCTCAACCACCTTGCTACCAGTTTGTGCAGAGAGTGTGAGAAGCACGACCA
 GGACCGCAGCGGCCCTCTCGCCCGTGGAGCTGCAAAGCCTTTTCAGTGTGTTCCACGC
 AGCGCCCTGGGGCCCCGAGCTCCACGCACAGTCCGCACAGAGGCCCGGCCGTTGCCCT
 GCACGGATACCTTGCCAGTGGACCCTGGTGACCTACCTGGACGTCGGGAGCTGCCTTGG
 ACACCTAGGCTACCTGGGCTACCCACCCTCTGTGAGCAGGACCAGGCCATGCCATCAC
 AGTCACTCGTGAGAAGAGGCTGGACCAGGAGAAGGGACAGACGCAGCGGAGCGTCCCT
 GTGCAAGGTGGTAGGGGCCGTTGGAGTGGCAAGTCTGCCTTCTGCAGGCCTTTCTCGG
 CCGCGGCTGGGGCACCAGGACAGGAGGAGCAGCCTCCCGGCTACGCCATCGACACGGT
 GCAGGTCAATGGACAGGAGAAGTACTTGATCCTCTGTGAGGTGGGCACAGATGGTCTGCT
 GGCCACATCGCTGGACGCCACCTGTGACGTTGCCTGCTTGTGTTGATGGCAGTGACCC
 AAAGTCTTTGCACATTGTGCCAGCGTCTACAAGCACCATTACATGGACGGGCAGACCCC
 CTGCTCTTTGTCTCTCAAGGCCGACCTGCCGAAGGTGTGCGGGTGTCTGGCCCATC
 ACCGGCCGAGTTTGGCCCAAGCACCAGGCTACCCGCTCCCGTCCCGTTCCTGTGCTGG
 CCCAGCCGAGCCAGCACCACCATCTTACCCAGCTCGCCACCATGGCCGCTTCCACACA
 TTTGGTCCACGCAGAGCTGCATCCTCTTCTTCTGGCTCCGGGGGCTGCTGGGGTTGT
 CGGGGCCGCGTGGCCGAGTCCTCAGTTCTACTCTACAGGGTCTGGTGAAGAGCCA
 GTGAGGCCCTGGTACCCAAGCCCCCTCCCCTGACCTGGGTGTGCTCGCTGCTGGGGCT
 CTGCAGGGGACAGCAGCTGGGGTGCAGGCCAGGCTGCCACTCCGGGAACGCCTTTGCGC
 CGGGACTTTTTGTTTCTGAAGGCAGTCGATCTGCAGCGGGGCTTATGCTGCCATGCACT
 GCCCTGGCTCCTGCCGACCCCCAGGGTGGGCCGTGGCAGGTGGCTGAGCAGGAGCTCCC
 AAGTCCCGGCCACCGCTGTCAGGGATTGCCACCCCTGGGCATCATGTGTGTGGGGCCGG
 GGAGCACAGGTGTGGGAGCTGGTGACCCAGACCCAGAATTC

Restriction Sites: NotI-NotI

ACCN: NM_138769

Insert Size: 2300 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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_138769.1 , NP_620124.1
RefSeq Size:	2509 bp
RefSeq ORF:	1857 bp
Locus ID:	89941
UniProt ID:	Q8IXI1
Cytogenetics:	16p13.3
Domains:	EFh, RAS, RHO, RAB
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the Rho family of GTPases. The encoded protein is localized to the outer mitochondrial membrane and plays a role in mitochondrial trafficking and fusion-fission dynamics. [provided by RefSeq, Nov 2011]