

Product datasheet for **SC331011**

RMND1 (NM_001271937) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RMND1 (NM_001271937) Human Untagged Clone
Tag: Tag Free
Symbol: RMND1
Synonyms: bA351K16; bA351K16.3; C6orf96; COXPD11; RMD1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331011 representing NM_001271937.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCACCTGCACAGCATTTGCAACGGCAGATGAGTATCATCTGGGAAATCTGTCTCAAGATCTGGCCTCC
 CACGGATATGTTGAAGTAACAAGCTTGCCTAGAGATGCAGCAAAATTTTGGTGATGGGTGTGGAAAT
 TCTGCAAAAGAAGGTGATCCTGGAACAATATTCTTCTCAGGGAAGGAGCTGCTGTGTTTGAATGTG
 AAAGACAAAATATGAAGCATGTGATGAAAGTTCTAGAAAACATGAAATTCAGCCCTATGAAATCGCA
 CTGGTACACTGGGAAATGAAGAACTTAACATACATAAAAAATAGAGGGACAGTCAAACTTCACAGGGGG
 GAAATCAAGTTAAATTCAGAGCTGGATTAGATGATGCCATTCTAGAGAAGTTTGCTTTTCCAATGCT
 CTATGCCTTTCTGTAAACTGGCAATTTGGGAAGCATCACTGGATAAATTTATTGAATCTATTCACTCA
 ATTCTGAGGCTTTAAAGCTGGGAAGAAAGTAAACTATCTCATGAAGAAGTTATGCAGAAAATCGGT
 GAACTCTTTGCTCTAAGGCACCGTATAAACTTGAGTTCAGACTTCCTGATTACTCCTGATTTCTACTGG
 GACAGAGAAAACCTGGAAGGACTTTACGATAAACCGTGTCAATTCCTTAGCATTGGCCGAAGAGTTAAG
 GTCATGAATGAAAACCTCAGCACTGCATGGAATAACAGATCTAATGCGGAATCACCTGAATGAGAAG
 AGGGCACTCCGCTTGGAGTGGATGATTGTCATCCTCATTACCATAGAGGTAATGTTTGAGCTGGGACGA
 GTATTTTTCGA

Restriction Sites: SgfI-MluI

ACCN: NM_001271937

Insert Size: 840 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).



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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_001271937.1](#)

RefSeq Size: 1495 bp

RefSeq ORF: 840 bp

Locus ID: 55005

UniProt ID: [Q9NWS8](#)

Cytogenetics: 6q25.1

MW: 32.3 kDa

Gene Summary: The protein encoded by this gene belongs to the evolutionary conserved sif2 family of proteins that share the DUF155 domain in common. This protein is thought to be localized in the mitochondria and involved in mitochondrial translation. Mutations in this gene are associated with combined oxidative phosphorylation deficiency-11. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2012]
 Transcript Variant: This variant (2) lacks an exon in the 5' region and initiates translation from an in-frame downstream start codon compared to variant 1. The resulting isoform (2) has a shorter N-terminus compared to isoform 1.