

Product datasheet for **RC232365**

RMND1 (NM_001271937) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RMND1 (NM_001271937) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RMND1
Synonyms:	bA351K16; bA351K16.3; C6orf96; COXPD11; RMD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232365 representing NM_001271937 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACTGCACAGCATTTGCAACGGCAGATGAGTATCATCTGGGAAATCTGTCTCAAGATCTGGCCTCCC
 ACGGATATGTTGAAGTAACAAGCTTGCCCTAGAGATGCAGCAAATATTTTGGTGATGGGTGTGAAAATTC
 TGCAAAAGAAGGTGATCCTGGAACAATATCTTCTTCAGGGAAGGAGCTGCTGTGTTTTGGAATGTGAAA
 GACAAACTATGAAGCATGTGATGAAAGTTCTAGAAAAACATGAAATTCAGCCCTATGAAATCGCACTGG
 TACACTGGGAAAATGAAGAACTTAACACATAAAAAATAGAGGGACAGTCAAACTTCACAGGGGGGAAAT
 CAAGTTAAATTCAGAGCTGGATTAGATGATGCCATTCTAGAGAAGTTTGCTTTCTCCAATGCTCTATGC
 CTTTCTGTAAAATGGCAATTTGGGAAGCATCACTGGATAAAATTTATTGAATCTATTCAATTCCTG
 AGGCTTTAAAAGCTGGGAAGAAAGTGAACATCTCATGAAGAAGTTATGCAGAAAATCGGTGAACCTCTT
 TGCTCTAAGGCACCGTATAAACTTGAGTTCAGACTTCCTGATTACTCCTGATTTCTACTGGGACAGAGAA
 AACCTGGAAGGACTTTACGATAAACGTGTCAATTCCTTAGCATTGGCCGAAGAGTTAAGGTCATGAATG
 AAAAATTCAGCACTGCATGGAATAACAGATCTAATGCGGAATCACCTGAATGAGAAGAGGGCACTCCG
 CTTGGAGTGGATGATTGTATCCTCATTACCATAGAGGTAATGTTTGAGCTGGGACGAGTATTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >RC232365 representing NM_001271937

Red=Cloning site Green=Tags(s)

MHCTAFATADEYHLGNLSQDLASHGYEVTSLPRDAANILVMGVNSAKEGDPGTIFFREGAAVFWNVK
 DKTMKHMVKVLEKHEIQPYEIALVHWENEELNYIKIEGQSKLHRGEIKLNSELDLDAAILEKFAFSNALC
 LSVKLAIWEASLDFKFIESIQSIPALKAGKKVKLSHEEVMQKIGELFALRHRINLSSDFLITPDFYWDRE
 NLEGLYDKTCOFLSIGRRVKVMNEKLOHCMELTDLMRNHLNEKRALRLEWMIVILITIEVMFEELGRVFF

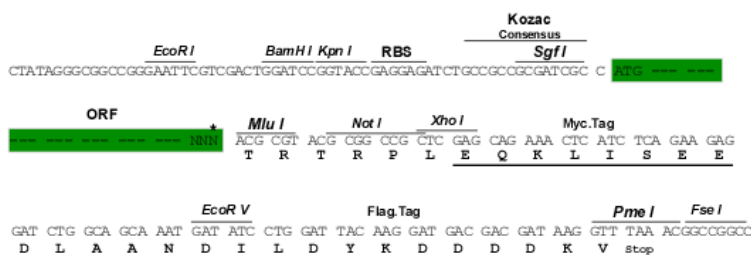
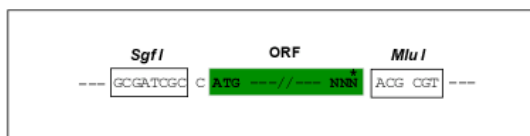
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001271937

ORF Size: 837 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001271937.1](#), [NP_001258866.1](#)

RefSeq Size: 1495 bp

RefSeq ORF: 840 bp

Locus ID: 55005

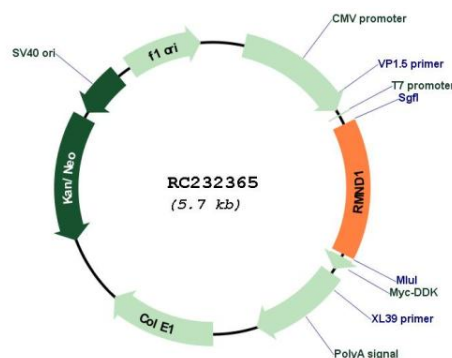
UniProt ID: [Q9NWS8](#)

Cytogenetics: 6q25.1

MW: 32.7 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]

Product images:



Circular map for RC232365