

Product datasheet for **RN211438**

Rmdn3 (NM_001014046) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rmdn3 (NM_001014046) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rmdn3
Synonyms:	Fam82a2; Fam82c; Ptpip51; RGD1308697; Rmd-3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211438 representing NM_001014046
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCTAGACTGGGGCCCTGGGCGGCTCCCGCGCCGGTTGGGACTGTTACTTGGTACTGCCCGCCGCC
 TGGGATTCCTGTGTCTCTACAGTCAACGATGGAAACGGACCCAACGCCATGGCCGGAGCCAGAGTCT
 GCCCAACTCCCTGGACTATGCGCAGACTTCAGAGCGTGGACGCCAGGTGACACAGTTGCGGGCTATCCCA
 GGTGAAGCTGGAGATGCTGCCATGCTGTCCAGCCTCCCACAAGAAGGACAGGAGAAGGTGCTGGACCGCC
 TGGACTTTGTGCTGACCAGTCTTATGGCACTGCGACGGGAGGTAGAGGAGCTTCAGAGAAGCCTGCAAGG
 CCTGGCTGGGGAGATTGTCGGGGAGGTTTCGATCTCATATGGAGGAGAACCAGAGAGTGGCTCGGCGGCGC
 AGGTTCCCTTTTCCAGGGAGAGGAGTACTCCACTGGCTCCAGTCCGTGATTTCCACCGCTCCTCAG
 GGGCTACACTCACAGATCGGAGAGTGAAGGAGGTTATACGACAGCCAATGCAGAATCTGACTATGAGCG
 GGACTCTGACAAGGAGAGTGAAGGATGCTGAAGTGAAGTAACTGTGAGACCGTGAAGATGGGGAGGAAG
 GATTCTCTGGACCTTGATATGGAGGTAGCTTCAAGTCCCCTGCTGCTGCCTGGAGGATGATGACTCCT
 CAGGCTTGTAGGATGTGCAGTTGCTCCTGCAGCAGGCGGATGAGCTGCACCAGGGCAGTGAGCAGAACAA
 GCAGGAAGGTTTCCAGCTGCTGCTCAACAATAAGCTGGCGTATGGGAGCCGACAAGACTTCTGTGGCGC
 CTGGCCCGGGCCTACAGTGACATGACTGAGCTTACTGAGGAGGAGAGCGAGAAGAAGTCATATGCCCTAA
 ATGGAAAAGAAGAAGCAGAGGCTGCTCTGAAGAAAGGAGATGAGAGTGTGCAAGCCACCTGTGGTATGC
 AGTGCTTTGTGGTCAGCTGGCTGAGCATGAGGGCATCTCGAAGCGTATCCAGAGTGGCTTACGTTCAAG
 GAACATGTGGACAAAGCCATTGAACTTCAGCCAGAAGACCCAGGGGTCACTTTCTTCTTGGCAGGTGGT
 GCTACCAGGTTTCTCATTGAGCTGGTTGGAGAAAAAACAGCTACAGCCTTGTTTGAAAGCCCTTAG
 TGCCACTGTGCAGGATGCCCTGCAGAGCTTCTCAAGGCTGAGGAGCTTACGCCAGGGTTTTCAAAGCT
 GGACGGGTATATATTTCTAAGTGTATAGAGAATTAGGAAAAACTCTGAAGCTAGAAAAGTGCTGAATT
 TGGCTCAGGAGCTGCCAAACATCACTAATGAGGATTCAGCTTTCCAAAAAGACTGGAAGAACTGGAAGT
 AATTTTAGGAAAATAA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001014046

Insert Size: 1416 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:

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_001014046.2](#), [NP_001014068.1](#)

RefSeq Size: 2195 bp

RefSeq ORF: 1416 bp

Locus ID: 311328

UniProt ID: [Q66H15](#)

Cytogenetics: 3q35

Gene Summary: Involved in cellular calcium homeostasis regulation (By similarity). May participate in differentiation and apoptosis of keratinocytes. Overexpression induces apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]