

## Product datasheet for **MC216506**

### **Rmdn3 (NM\_001033136) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rmdn3 (NM_001033136) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rmdn3
Synonyms:	1200015F23Rik; AI131757; Fam82a2; Ptpip51; RMD-3; Rmd3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216506 representing NM\_001033136  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTAGACTGGGGCCCTGGGCGGCTCCCGCGCCGGTTGGGACTGTTACTTGGTACTGCCCGCCGCC  
 TTGGATTCCTGTGCGTCCTTTACAGCCAGCGATGGAAACGGACCCAGCGCATGGCCGGAGTCACAGTCT  
 GCCCAACTCCCTGGACTATGCGCAGGCTTCAGAGCGTGGACGCCAGGTGACACAGTTTCGGGCTATCCCA  
 GGTGAAGCTGGAGATGCTGCCATACTGCCAGCCTCTCACAGGAAGGGCAGGAGAAGGTGCTGGACCGCC  
 TGGACTTTGTGCTGACCAGTCTTATGGCGCTGCGGCGGAGGTGGAGGAGCTTCAGAGAAGCCTGCAAGG  
 ACTAGCTGGGGAGATTGTTGGGGAGTCCGCTCTCATATAAGAAGAGAACCAGAGAGTGGCCCGCGGCGC  
 AGGTTCCCTTTTCCAGAGAGAGGAGTACTCCACGGGCTCCAGCTCTGTCTACTTCACCGCTCCTCAG  
 GGGCTGCACTCACAGACCGGAGAGCGAGGGAGTTATACAACAGCCAACCGGGAGTCTGATTACGAGCG  
 GGACTCCGACAAGGAGATGGAGATGCTGAGGACGAAGTGAAGTCTGCGAGACCGTGAAGGATGGGGAGGAAG  
 GACTCTCTGGACCTGGATGTGGAGGCGGCGTCCAGTCCGGCGGCGGCCGCTTGGAGGAGGATGACTCCT  
 CAGGCCGAGAGGATGTGCAGCTGGTCTGCTGCAGGCCGATGAGCTGCACCAGGGCAGCAAGCAGGACAA  
 GCGGGAAGGCTTCCAGCTGCTGCTCAACAATAAGCTGGCGTATGGAAGCCGACAAGACTTCTGTGGCGC  
 CTGGCCCGGGCCTACAGTGACATGTGACACCTTACTGAGGAGGAGAGCGGGAAGAAGTCCTATGCCCTAA  
 ATGGAAAAGAAGAAGCAGAGGCTGCTCTGAAGAAAGGAGATGAGAGTGTGCGTGCCACCTGTGGTATGC  
 AGTGCTCTGTGGTCAGCTGGCTGAGCATGAGGGCATCTCGAAACGCATCCAGAGTGGCTTACGTTCAAG  
 GAACATGTGGACAAGCCATTGAACTTCAGCCAGAAGACCCAGGGGTCACTTTCTTCTTGGCAGGTGGT  
 GCTACCAGGTTTCTCACTTGAAGTGGTTGGAAAAAACAACGGCTACCGCTTGTTTGAAAGCCCTTAG  
 TGCTACTGTGCAGGACGCTCTGCAGAGTTTCTTAAGGCTGAGGAAGTACAGCCAGGATTTTCAAAGCT  
 GGACGGGTATATATTTCTAAGTGTATAGAGAATTAGGAAAAAAGTCTGAAGCTAGAAAAGTGGATGAAGC  
 TGGCTCAGGAACTGCCAGACGCTACTAATGAGGATTCAGCTTTCCAAAAAGACCTGGAAGAACTAGAAGT  
 AATTTTAGGATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001033136
- Insert Size:** 1413 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\\_001033136.3](#), [NP\\_001028308.1](#)

RefSeq Size: 2252 bp

RefSeq ORF: 1413 bp

Locus ID: 67809

UniProt ID: [Q3UJU9](#)

Cytogenetics: 2 E5

**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]