

## Product datasheet for **RG209526**

### **FAM82A2 (RMDN3) (NM\_018145) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM82A2 (RMDN3) (NM_018145) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM82A2
Synonyms:	FAM82A2; FAM82C; ptpip51; RMD-3; RMD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG209526 representing NM\_018145  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTAGACTGGGAGCCCTGGGTGGTCCCGTGCCGGCTGGGACTGTTGCTGGGTACCGCCCGGCC  
 TTGGATTCCTGTGCCTCCTTTACAGCCAGCGATGGAAACGGACCCAGCGTCATGGCCGACCCAGAGCCT  
 GCCCAACTCCCTGGACTATACGCAGACTTCAGATCCCAGGACGCCACGTGATGCTCCTGCGGGCTGTCCCA  
 GGTGGGGCTGGAGATGCCTCAGTGTGCCAGCCTCCACGGGAAGGACAGGAGAAGGTGCTGGACCGCC  
 TGGACTTTGTGCTGACCAGCCTTGTGGCGCTGCGGCGGGAGGTGGAGGAGCTGAGAAGCAGCCTGCGAGG  
 GCTTGGGGGGAGATTGTTGGGGAGGTCCGATGCCACATGGAAGAGAACCAGAGAGTGGCTCGGCGGCGA  
 AGGTTTCCGTTTCCGGGAGAGGAGTACTCCACTGGCTCCAGCTCTGTCTACTTCACGGCCTCCTCGG  
 GAGCCACGTTACAGATGCTGAGAGTGAAGGGGTTACACAACAGCCAATGCGGAGTCTGACAATGAGCG  
 GGACTCTGACAAAGAAAGTGAGGACGGGAAGATGAAGTGAAGTGTGAGACTGTGAAGATGGGGAGAAAG  
 GATTCTCTTGACTTGGAGGAAGAGGCAGCTTCAGGTGCCCTCCAGTGCCTGGAGGCTGGAGGTTCTCAG  
 GCTTGGAGGATGTGCTGCCCCCTCTGCAGCAGGCCGACGAGCTGCACAGGGGTGATGAGCAAGGCAAGCG  
 GGAGGGCTTCCAGCTGCTGCTCAACAACAAGCTGGTGTATGGAAGCCGGCAGGACTTTCTCTGGCGCCTG  
 GCCCGAGCCTACAGTGACATGTGTGAGCTCACTGAGGAGGTGAGCGAGAAGAAGTCATATGCCCTAGATG  
 GAAAAGAAGAAGCAGAGGCTGCTCTGGAGAAGGGGGATGAGAGTGTGACTGTACCTGTGGTATGCGGT  
 GCTTTGTGGTCACTGGCTGAGCATGAGAGCATCCAGAGGCGCATCCAGAGTGGCTTTAGCTTCAAGGAG  
 CATGTGGACAAAGCCATTGCTCTCCAGCCAGAAAACCCATGGCTCACTTTCTTCTTGGCAGGTGGTGTCT  
 ATCAGTCTCTCACCTGAGCTGGCTAGAAAAAACTGCTACAGCCTTGCTTGAAGCCTCTCAGTGC  
 CACTGTGGAAGATGCCCTCCAGAGCTTCTAAAGGCTGAAGAAGTACAGCCAGGATTTTCCAAAGCAGGA  
 AGGGTATATATTTCCAAGTGTACAGAGAAGTGGGAAAACTCTGAAGCTAGATGGTGGATGAAGTTGG  
 CCCTGGAGCTGCCAGATGTACGAAGGAGGATTTGGCTATCCAGAAGGACCTGGAAGAAGTGAAGTCAT  
 TTTACGAGAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG209526 representing NM\_018145  
 Red=Cloning site Green=Tags(s)

MSRLGALGGARAGLGLLLGTAAGLGFLLYSQRWKRTQRHGRSQSLPNSLDYQTSDPGRHVMLLRVAVP  
 GGAGDASVLPPLPREGQEKVLDRLDFVLTSLVALRREVEELRSSLRGLAGEIVGEVVRCHMEENQVARRR  
 RFPFVRRSDSTGSSSVYFTASSGATFTDAESEGGYTTANAESDNERSDKESEDEVEVSCETVKMGRK  
 DSDLDEEEAASGASSALEAGSSGLEDVLP LLQQADELHRGDEQKREGFQLLLNNKLVYGSRQDFLWRL  
 ARAYSDMCELTEEVSEKKSIALDGKEEAEEALEKGDSEADCHLWYAVLCGQLAEHESIQRRIQSFSFKE  
 HVDKAIALQPENPMAHFLLGRWCYQVSHLSWLEKKTATALLESPSATVEDALQSFLKAEELQPGFSKAG  
 RYVISKCYRELGKNSEARWMMKLALLELPDVTKEDLAIQKDLLEEVILRD

**TRTRPLE** - GFP Tag - V

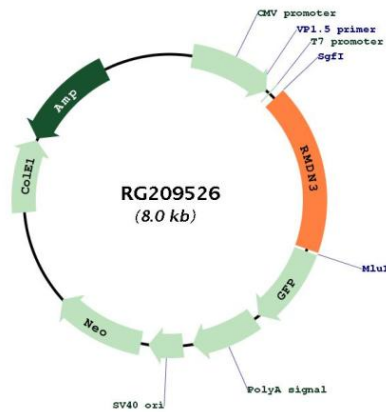
**Restriction Sites:**

Sgfl-MluI



**RefSeq:** [NM\\_018145.3](#)  
**RefSeq Size:** 2251 bp  
**RefSeq ORF:** 1413 bp  
**Locus ID:** 55177  
**UniProt ID:** [Q96TC7](#)  
**Cytogenetics:** 15q15.1  
**Protein Families:** Transmembrane  
**Gene Summary:** Involved in cellular calcium homeostasis regulation. May participate in differentiation and apoptosis of keratinocytes. Overexpression induces apoptosis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG209526