

## Product datasheet for **SC126445**

### **FAM82A1 (RMDN2) (BC024243) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM82A1 (RMDN2) (BC024243) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM82A1
Synonyms:	BLOCK18; FAM82A; family with sequence similarity 82, member A; family with sequence similarity 82, member A1; FLJ32954; FLJ38143; hRMD-2; hRMD-4; MGC33318; microtubule-associated protein; PRO34163; PYST9371; regulator of microtubule dynamics; RMD2
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:**

>OriGene sequence for BC024243 edited  
 GGTACTTCATCAATTTTTCTTTCTTTTATGGACTCTTTTCTGTTGGCAAAAAAACCT  
 GTTATTTCTTGATCTTTTGGCACCATTTTCGCACTTAATAATGGCGTAATTTCTCTTCTA  
 TTTGTTTTCTATTTGCCCATCTGTTCTTTTTCTCCTTTTCTGCCTTCTTTGGACCAA  
 AAACGAAAACCAAGAAATGCCTTATCCACAACAAAGAGTTGATACTTGGCATCATGGT  
 GGGCACTGCTGGAATCAGCTTGCTGCTCTTGTTGGTACCACAAGGTCGGTAAACCAGGGAT  
 AGCAATGAAGTTACCTGAATTTCTTTCTGTTGTAATACATTTAATTCAATAACTTTGCA  
 AGATGAAATACATGATGACCAAGGAACAACAGTAATCTTTCAAGAAAGGCAACTTCAGAT  
 ACTGGAGAAGTTAAACGAATTAAGTACAAATATGGAAGAACTCAAAGAGGAAATCAGATT  
 TCTTAAAGAAGCTATTCCAAAGCTGGAGGAATATATACAAGATGAACTTGGAGGGAAAAAT  
 AACTGTTTATAAGATAAGCCCTCAGCACAGAGCGAGAAAAAGAAGACTCCCCACAATTCA  
 AAGTTCAGCAACAAGTAATAGTTCAGAGGAAGCAGAAAGTGAAGGAGGGTATATTACAGC  
 TAATACTGACACAGAAGAACAGAGTTTTCCAGTCCCTAAGGCATTTAACACACGTGTAGA  
 GGAATTAATTTAGATGCTCTTCTCAGAAGGTAGATCATTTACGTATGAGTGAGTCTGG  
 CAAGTCGGAGAGTTTTGAACTACTTCGTGACCACAAGAAAAGTTTAGAGATGAAATAGA  
 GTTTATGTGGCGATTTGCTCGTCTTATGGAGACATGTATGAACTATCTACAAACACACA  
 AGAAAAGAAACATTATGCTAATATTGAAAAAATTTAAGTGAAGAGCTATTAATAGAGC  
 ACCCATGAATGGACATTGTCATCTGTGGTATGCAGTTTTGTGGCTATGTATCTGAGTT  
 TGAGGGTTTACAAAACAAAATCAACTATGGGCACCTCTTCAAGGAACATCTAGATATAGC  
 AATCAAATTTTACCAGAGGAACCTTTCTATATTACCTCAAAGGGAGATACTGCATAC  
 TGTCTCAAACAGCTGGATTGAGAAAAAATGGCTGCTACTCTGTTTGGAAAAATACC  
 ATCTTCAACTGTACAAGAAGCTTTACACAATTTCTTAAAGGCTGAAGAAGTATGCCCTGG  
 TTATTTCAATCCCAATTACATGTACTTAGCAAAGTGTATACTGATCTTGAGGAAAAACA  
 GAATGCTTTGAAGTTCTGTAATTTGGCTTTATTGCTTCTACTGTTACCAAAGAGGATAA  
 AGAGGCACAGAAAGAGATGCAAAAAAATAATGACTTCTTGAAGAGGTAATAAACGAATT  
 TACTCTTCAACAAATCAGATGTGGTCTACCAAAATTTAAATGAATCAAAGTTGTGCTTTT  
 ATTATCTTCAATTTTGTGTAAGGGTATTGTGCTTAGATTTGAAGGTAAGCCATGTTT  
 CTGCAGAAATGCATTCCACTAGTAGCACTACAAAATTAATTATGTTATTTGGAGAATCTAT  
 ATACTATAATGTCAATACATAATCTATAAACATGTATGCTTTATATTTTTCTTATCAATA  
 AACTGCAGCCTTAAGAATATTTCTTTAAATAAAATATTTAAATCCAATAAAATGAATTCT  
 CATGAATATTTTATTGTTTCAATGGAGACTTCGTAAAGACAAAATAATTTTCAATATGTGG  
 ATGAAAAATGAAAACTCAGCAAAGGACATGAACAAGTTGTTGGCAGAAGAGGAAAAACA  
 AACAAATGTAGTATTGTAAGTGAATCAAAGATGTGAATAAAATTAACAATAAAATACT  
 GTTTTACCATCGAAAAAATTT

**5' Read Nucleotide Sequence:**

>OriGene 5' read for BC024243 unedited  
 TTCAGTTCATGATTTGTATACGACTCACTATAGGCGGCCGCATAACTTCGTATAGCATA  
 ATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGGT  
 ACTTCATCAATTTTTCTTTCTTTTATGGACTCTTTTCTGTTGGCAAAAAAACCTGTT  
 ATTTCTTGATCTTTTGGCACCATTTTCGCACTTAATAATGGCGTAATTTCTTCTATTT  
 GTTTTCTATTTGCCCATCTGTTCTTTTTCTCCTTTTCTGCCTTCTTTTGGACCAAAAA  
 CGAAAACCAAGAAATGCCTTATCCACAACAAAGAGTTGATACTTGGCATCATGGTGGG  
 CACTGCTGGAATCAGCTTGCTGCTCTTGTTGGTACCACAAGGTCGGTAAACCAGGGATAGC  
 AATGAAGTTACCTGAATTTCTTTCTGTTGTAATACATTTAATTCAATAACTTTGCAAGA  
 TGAAATACATGATGACCAAGGAACAACAGTAATCTTTCAAGAAAGGCAACTTCAGATACT  
 GGAGAAGTTAAACGAATTAAGTACAAATATGGAAGAACTCAAAGAGGAAATCAGATTTCT  
 TAAAGAAGCTATTCCAAAGCTGGAGGAATATATACAAGATGAACTTGGAGGGAAAAATAC  
 TGTTTATAAGATAAGCCCTCAGCACAGAGCGAGAAAAAGAAGACTCCCCACAATTCAAAG  
 TTCAGCAACAAGTAATAGTTCAGAGGAAGCAGAAAGTGAAGGAGGGTATATTACAGCTAA  
 TACTGACACAGAAGAACAGAGTTTTCCAGTCCCTAAGGCATTTAACACACGTGTAGAGGG  
 ATTAATTTAGATGCTCTTCTTTTCAAGAGGTAGATCATTTACCTATGAGTGAGTCTGGCAA  
 GTCGGAGAGTTT

<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC024243
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC024243.2</a></u> , <u><a href="#">AAH24243.3</a></u>
<b>RefSeq Size:</b>	1948 bp
<b>Locus ID:</b>	151393
<b>Cytogenetics:</b>	2p22.2