

## Product datasheet for **RC229791**

### **FAM82A1 (RMDN2) (NM\_001170793) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FAM82A1 (RMDN2) (NM\_001170793) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** RMDN2  
**Synonyms:** BLOCK18; FAM82A; FAM82A1; PRO34163; PYST9371; RMD-2; RMD2; RMD4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC229791 representing NM\_001170793  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGAAAGTGCTTAAGGTATATTACAGCTAATACTGACACAGAAGAACAGAGTTTTCCAGTCCCTAAGG  
CATTTAACACACGTGTAGAGGAATTAATTTAGATGTCCTTCTTCAGAAGGTAGATCATTTACGTATGAG  
TGAGTCTGGCAAGTCGGAGAGTTTTGAACTACTTCGTGACCACAAAGAAAAGTTTAGAGATGAAATAGAG  
TTTATGTGGCGATTTGCTCGTGCTTATGGAGACATGTATGAACTATCTACAAACACACAAGAAAAGAAAC  
ATTATGCTAATATTGAAAACTTTAAGTGAAAGAGCTATTAATAGAGCACCCATGAATGGACATTGTCA  
TCTGTGGTATGCAGTTTTGTGTGGCTATGTATCTGAGTTTGAGGGTTTACAAAACAAAATCAACTATGGG  
CACCTCTTCAAGGAACATCTAGATATAGCAATCAAACCTTTACCAGAGGAACCCCTTTCTATATTACCTCA  
AAGGGAGATACTGCTATACTGTCTCAAACCTGAGCTGGATTGAGAAAAAATGGCTGCTACTCTGTTTGG  
AAAAATACCATCTTCAACTGTACAAGAAGCTTTACACAATTTCTTAAGGCTGAAGAAGCTATGCCCTGGT  
TATTCTAATCCCAATTACATGTACTTAGCAAAGTGTATACTGATCTTGAGGAAAACAGAAATGCTTTGA  
AGTTCTGTAATTTGGCTTTATTGCTTCTACTGTTACCAAAGAGGATAAAGAGGCACAGAAGAGATGCA  
AAAAATAATGACTTCCTTGAAGAGG

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**



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**Protein Sequence:** >RC229791 representing NM\_001170793  
Red=Cloning site Green=Tags(s)

MGKCLRYITANTDTEEQSFVPKAFNTRVEELNLDVLLQKVDHLRMSSESGKSEFELLRDHKEKFRDEIE  
 FMWRFARAYGDMYELSTNTQEKHYANIGKTLSERAINRAPMNGHCHLWYAVLCGYVSEFEGLQNKINYG  
 HLFKEHLDIAIKLLPEEPFLYYLKGRYCYTVSKLSWIEKKMAATLFGKIPSSVQEALHNFLKAEELCPG  
 YSNPNMYLAKCYTDLEENQNALKFCNLALLLPTVTKEDKEAQKEMQKIMTSLKR

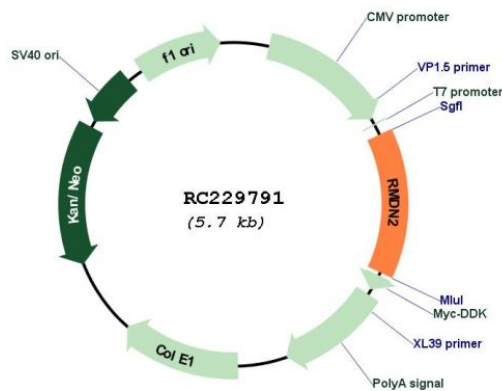
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001170793  
**ORF Size:** 795 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001170793.2</a>
<b>RefSeq ORF:</b>	798 bp
<b>Locus ID:</b>	151393
<b>UniProt ID:</b>	<a href="#">Q96LZ7</a>
<b>Cytogenetics:</b>	2p22.2
<b>MW:</b>	31.4 kDa