

Product datasheet for **RC230025**

FAM82A1 (RMDN2) (NM_001170791) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FAM82A1 (RMDN2) (NM_001170791) 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: >RC230025 representing NM_001170791
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTTATTCCACAACAAAGAGTTGATACTTGGCATCATGGTGGGCACTGCTGGAATCAGCTTGCTGC
 TCTTGTGGTACCACAAGTCCGTAACCCAGGGATAGCAATGAAGTTACCTGAATTTCTTCTCTGGGTAA
 TACATTTAATTCAACTTTGCAAGATGAAATACATGATGACCAAGGAACAACAGTAATCTTTCAAGAA
 AGGCAACTTCAGATACTGGAGAAGTTAAACGAATTAAGCAAAATATGGAAGAACTCAAAGAGGAAATCA
 GATTTCTTAAAGAAGCTATTTCAAAGCTGGAGGAATATATACAAGATGAACCTGGAGGGAAAATAACTGT
 TCATAAGATAAGCCCTCAGCACAGAGCGAGAAAAAGAAGACTCCCCACAATTCAAAGTTCAGCAACAAGT
 AATAGTTCAGAGGAAGCAGAAAGTGAAGGAGGGTATATTACAGCTAATACTGACACAGAAGAACAGAGTT
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 TCATTTACGTATGAGTGAGTCTGGCAAGTCGGAGAGTTTTGAACACTTCGTGACCACAAAGAAAAGTTT
 AGAGATGAAATAGAGTTTATGTGGCGATTTGCTCGTGCTTATGGAGACATGTATGAACATCTACAACA
 CACAAGAAAAGAACATTATGCTAATATTGAAAAAATTTAAGTGAAGAGCTATTAATAGAGACCCCAT
 GAATGGACATTGTCATCTGTGGTATGCAGTTTTGTGGCTATGTATCTGAGTTTGAGGGTTTACAAAAC
 AAAATCAACTATGGGCACCTCTTCAAGGAACATCTAGATATAGCAATCAAACCTTTTACCAGAGGAACCT
 TTCTATATTACCTCAAAGGGAGATACTGCTATACTGTCTCAAACCTGAGCTGGATTGAGAAAAAATGGC
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 GAACTATGCCCTGGTTATTCTAATCCCAATTACATGACTTAGCAAAGTGTATACTGATCTTGAGGAAA
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 ACAGAAAGAGATGCAAAAAATAAGACTTCCTTGAAGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC230025 representing NM_001170791
Red=Cloning site Green=Tags(s)

MPYSTNKEILIGIMVGTAGISLLLLWYHKVRKPGIAMKLPFLSLGNTFNSITLQDEIHDDQGTTVIFQE
 RQLQILEKLNELLTNMEELKEEIRFLKEAIPKLEEIYQDELGGKITVHKISQHRARKRRLPTIQSSATS
 NSSEEAESGEGYITANTDTEEQSFVPKAFNTRVEELNLDVLLQKVDHLRMSSESGKSEFELLRDHKEKF
 RDEIEFMWRFARAYGDMYELSTNTQEKHYANIGKTLSERAINRAPMNGHCHLWYAVLTCGYVSEFEGEQN
 KINYGHLFKEHLDAIKLLPEEPFLYLLKGRYCYTVSKLSWIEKKMAATLFGKIPSTVQEALHNFLKAE
 ELCPGYSNPNYMLAKCYTDLEENQNALKFCNLALLLPTVTKEDKEAQKEMQKIMTSLKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

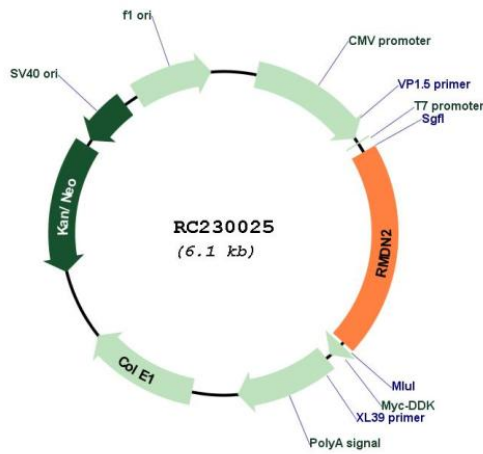
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001170791

ORF Size:	1230 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001170791.3
RefSeq ORF:	1233 bp
Locus ID:	151393
UniProt ID:	Q96LZ7
Cytogenetics:	2p22.2
MW:	47.8 kDa