

Product datasheet for **RR208319**

Rmdn2 (NM_001037200) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rmdn2 (NM_001037200) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rmdn2
Synonyms:	Fam82a; Fam82a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208319 representing NM_001037200 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCATTCACGCACAAGAAGCTGCTCCTTGGCATCATGGCGGAACTGCTGGGATCAGCTTGCTGG
TCCTATGGTACCACAAGATCCTTAAGCCCAGGACAACAATGATTTTCCCCAAGTTTCTTTCTTTGGGTAA
GAAATCCGATTCACTCACTTTGCAAGATGAAAGCTATAGTGAACAAGGAACATCAGTGGTCTTTCAAAGG
GGGAGCTCCAGATCCTGGAGAAGTTAAACGAGTTACTGACCAATGTGGAGGAACTGAAGGAGGAGATCA
AATTCCTTAAAGAGACGATTCCAAGCTGGAGGAATGTATACAAGATGAACCTGGAGTGAGGGTAACAGT
TCATCAGGTCACTCCTCAGCACAGAGCTAGAAAAAGAAGACAACGACGACGACAGTCCAACGTCCAGCT
ACAAGCAATAGTTCAGAGGAGGCAGAAAGTGAAGGAGGTATATTACAGCTAACACTGACACAGAAGAAC
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GGTAGACCACTTACGGCTAAATGAGGCTCACAAAATGGAGAGTTTCGAGCTACTTTGTGACCACAAAAGAG
AAGTTTAGTGAAGAAATAGAGTTTCTGTGGCGGCTTGTCCGTGCCTATGGAGACATGTATGACCTATCTA
CAAACACGCAGGAAAAGAACACTATGCTAATGTTGAAAAACTTTAGGAGAGAGAGCTATTACCAGAGC
GCCTATGAATGGACACTGCCATCTGTGGTATGCACTTTTGTGGTTATGTATCTGAGTTTGAGGGCTTG
CAAAATAAAATTAAGTGTGGACATCTATTCAAGAAGCATCTAGATATAGCCATCCAGCTTTTGCCTGAAG
AACCCGTTTTATATTACCTCAAGGGAAGATATTGTTATACTGTCTCAAACTCAGCTGGATTGAGAAAAA
AATGGCTGCTACTCTATTTGGGAAATACCATCTTCAACAGTTTCATGAAGCTTTGCATAACTTCTTAAG
ACTGAAGAATTGCAACCTGGGTATTCTGTGTCCAACATATATGTATGTGGCCAAGTGTATGTTGATCTTG
GGGAATCTCGGGAGGCTTGAAATCTGTAACCTGGCATTGTTATTGCCTATCGTACCAAAGAGGACAA
GGATGCACACAAGGAAGTGAAGAAAATAATTGGTCTTTGAAGAGG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MPHSTHKELLLGIMAGTAGISLLVLWYHKILKPRTTMIFPKFLSLGKKSDSLTLQDESYSYEQGTSVVFQR
 GQLQILEKLNELLTNVEELKEEIKFLKETIPKLEECIQDELGVRVTVHVQVSPQHRARKKKTTTTTVQRP
 TSNSSEEAESSEGGYITANTDTEEQSFPVKALNTHIEDLKLVDLLQKVDHLRLNEAHKMESFELLCDHKE
 KFSEEIEFLWRLVRAYGDMYDLSTNTQEKKHYANVGKTLGERAITRAPMNGHCHLWYALLCGYVSEFEG
 QNKINCGHLFKKHLDAIQLLPEEPVLYLKGRCYTVSKLSWIEKKMAATLFGEIPSSTVHEALHNFLK
 TEELQPGYSVSNMYVAKCYVDLGESEAWKFCNLALLLPIVTKEDKDAHKEVKKIIGSLKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

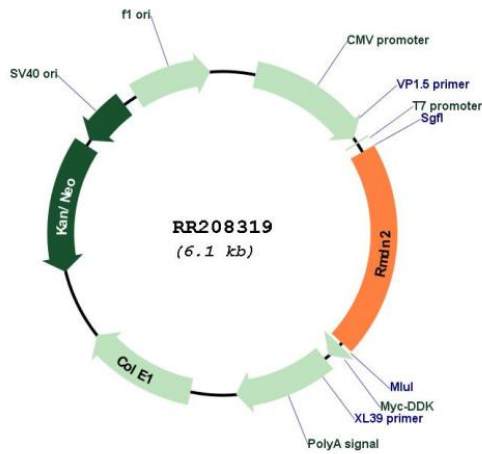
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001037200

ORF Size:	1236 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_001037200.1 , NP_001032277.1
RefSeq Size:	2012 bp
RefSeq ORF:	1239 bp
Locus ID:	313840
UniProt ID:	Q498D5
Cytogenetics:	6q11
MW:	47.2 kDa