

Product datasheet for **RR203154**

Rmnd5b (NM_001017473) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rmnd5b (NM_001017473) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rmnd5b
Synonyms: MGC112682
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203154 representing NM_001017473
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCAGTGCGCATGTGTGGAGAGGGAGCTCGACAAGGTCCTGCACAAGTTCCTGACCTATGGGCAAC
ATTGTGAGCAGAGCCTGGAGGAGCTGCTGCACTACGTGGGCCAGTTGAGAGCTGAACTGGCCAGTGCAGC
TCTCCAGGGGACCCCTCTCTCAGCCACGCTGTCCCTAGTAATGTCCCAGTGTGTGCGGAAGATCAAAGAC
ACAGTCCAGAAGCTGGCTTCCGACCATAAAGGACATTCACAGCAGCGTCTCCCGAGTGGGCAAAGCCATTG
ACCGGAACTTTGACTCTGAGATCTGCGGCGTGGTCTCAGATGCTGTGTGGGACTCCCGTGAGAAGCAGCA
GCAGATCTGCAGATGGCCATTGTGAGACCTGTACCAGCAGGGCATGCTCAGCGTAGCTGAGGAGCTG
TGCCAGGAATCAACATTGAATGTGGACCTGGACTTCAAGCAGCCCTTCTTGGAGTTGAATCGGATCTTGG
AGGCTCTGCATGAGCAAGACCTAGGACCTGCACTGGAATGGGCCGTTTCCACAGGCAGCGCCTGCTGGA
GCTCAACAGCTCACTGGAGTTCAAGCTGCACCGGCTGCACTTTATCCGCCTCTAGCTGGTGGCCCGGAG
AAGCAGCTGGAGGCCCTCAGCTATGCCCGACACTTCCAGCCTTTTGTCTGGCTACACCAGAGAGAGATCC
AGGTGATGATGGCAGTCTGGTGTACCTGCGGCTGGGCTTGGAGAAGTCAACCTACTGCCACCTTAGA
CAACAGCCACTGGCAGAGATCTGTGAGACCTTTACTCGGGATGCATGCTCCCTCTGGGCTTTTCAAGT
GAGTCCCCACTCAGTGTGAGCTTTGCTTCTGGCTGTGTGGCACTGCCAGTGTGTAACATTAAGCTG
TGATCGAACAGAGGCAGTGCAGTGGAGTGTGGAGTCAAGAGTGTGAGTTGCCGATTGAGATTGAGCTGGG
CATGAAGTGTGGTATCACTCTGTGTTTGGCTGCCCTATCCTGCGACAGCAGACCTCAGATTCCAACCCC
CCTATCAAGCTCATCTGTGGCCACGTCTATCCAGAGATGCACTCAACAAGCTCATCAATGGAGGAAAGC
TAAAGTGTCCCTATTGTCCCATGGAGCAGAAGCCAGCAGATGGGAAACGTATCATATTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203154 representing NM_001017473
Red=Cloning site Green=Tags(s)

MEQCACVERELDKVLHKFLTYGQHCEQSLEELLHYVVGQLRAELASAAALQGTPLSATLSLVMSQCCRKIKD
 TVQKLASDHKDIHSSVSRVKGAIIDRNFDSEICGVVSDAVWDSREKQQQILQMAIVEHL YQQGMLSVAEEL
 CQESTLNVDLDFKQPFLELNRIEALHEQDLGPALAWAVSHRQRLELNSLSEFKLHRLHFIRLLAGGPE
 KQLEALSARHFQPFARLHQREIQVMGSLVYLRLGLEKSPYCHLLDNSHWAEICETFFTRDACLGLSV
 ESPLSVSFASGCVALPVMNIKAVIEQRQCTGVWSHKDELPIEIELGMKCWYHSVFACPILRQQTSDSNP
 PTKLICGHVISRDALNKLINGGKLCPCPMEQNPADGKRIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

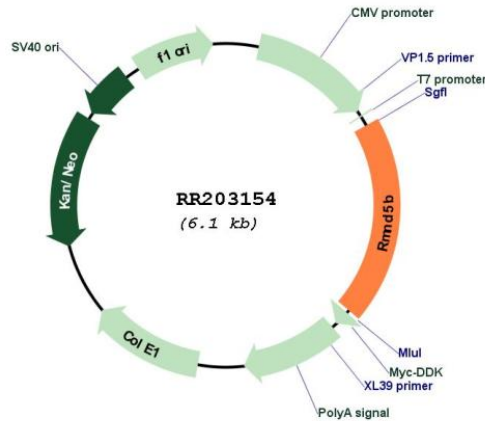
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001017473

ORF Size:	1179 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_001017473.1 , NP_001017473.1
RefSeq Size:	1806 bp
RefSeq ORF:	1182 bp
Locus ID:	497900
Cytogenetics:	10q21
MW:	44.5 kDa