

Product datasheet for **MC201287**

Rmnd5b (NM_025346) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rmnd5b (NM_025346) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rmnd5b
Synonyms:	0610039K22Rik; Gid2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016075 sequence for NM_025346
 GGGCTGAGCTGCAAGACTAGGTGACAGCCTGCCGGCTCCCGGTCCCGGGTGCGGGGCGCCCCGACCAAA
 GCCTGGAGCAGTCGTCCGCCACACCCTCCAAGGGCTGGTGGAGTCGCCCGGACTCCGACGTCCTCCTA
 GTGCACCTGACTGAGTCAGAGGATCCACTGGCTGACCCAGTTGACATCACCAGGCAGAGGCCGCAT
 GGAGCAGTGTGCCTGTGTGGAGAGGGAGCTGGACAAGTCTGCACAAGTTCCTAACCTACGGGCAGCAT
 TCCAGGGCACCCCTCTCTCAGCCACGCTGCCCTTGTGATGTCCCAGTGTGTCGGAAGATCAGAGACAC
 AGTCCAGAAACTGGCTTCCGACCATAAGGACATTCACAGCAGCGTCTCTCGAGTGGGCAAAGCCATTGAC
 AGGAACTTCGACTCTGAGATCTGCGCGTGGTCTCGGATGCTGTGGGACTCCCGTGAGAAGCAGCAGC
 AGATCCTGCAGATGGCCATCGTAGAGCACCTGTACCAGCAAGGCATGCTCAGTGTAGCGGAGGAGCTGTG
 CCAGGAATCGACATTGAATGTGGACCTGGACTTCAAGCAGCCCTTCTGGAGTTGAATCGGATCTTGAA
 GCTCTGCACGAGCAAGACCTAGGACCTGCGCTGGAATGGGCTGTATCTCACAGGCAGCGCTGCTGGAGC
 TCAACAGCTCGCTGGAGTTCAAGCTGCACCGCTGCACCTTATCCGCCTCTAGCTGGGGCCCCGAGAA
 GCAGCTGGAGGCCCTCAGCTATGCTCGGCACTTCCAGCCTTTTGTAGGCTACACCAGAGAGAGATCCAG
 GTGATGATGGGCAGTCTGGTGTACTGCGGCTGGGCTTGAGAAGTACCCTACTGCCACCTCTTAGACA
 ACAGCCACTGGGCGGAGATCTGTGAGACCTTACTCGGGATGCATGCTCCCTCCTGGGACTTTCAGTGGA
 GTCCCCACTTAGTGTGACCTTCGCGTCTGGCTGTGTGGGCTGCCCGTGCTGATGAACATTAAGCTGTG
 ATCGAACAGAGGCAGTGCCTGGGTGTGGAGTCAAGGATGAGTTGCCGATTGAGATAGAGCTGGGCA
 TGAAGTGTGGTACCCTCAGTGTTCATGCCCTATCTGCGACAGCAGACCTCAGATTCACACCCCCC
 CATCAAGCTCATCTGTGGCCACGTCATCTCCAGAGATGCACTCAACAACTCATCAATGGAGGAAAGCTA
 AAGTGTCCCTACTGTCCCATGGAACAGAATCCAGCAGATGGGAAACGCATCATATTCTGATTCCAAGGAA
 CATTCTAGAAGGTGTAATCCACCATGGGCCTTGTGGAGGACTGGCTTCCAGCAGACTGTGATGCCTCT
 CAGACCAGATTACCAAGAGACCAACCTGCCTAGGCAGAGGCCAGGGAAGGCTGTGAACAGCAGCCTA
 TGCTTCCTTACCTTCTAGGGGACTGGCTACTCTGTTTCTGCTTCTGTTTACACTTGCCCTGACGGGAG
 CAGCAAAGGTCTTGGTCAAAATGCAGACATCTTCTACTCCTGGCATCAAAGGGGTTTCCAGCTGTGG
 CCCACTTCTACTGTACAGTCTCAACTGTATCTACCCATTCACTTCCACTGTAAATAACCCGTTAGAAC
 TGAATGCTGTTTTATACTTTGAGCAAATATATTCATAGCCCTTCTCCTTAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_025346

Insert Size: 1182 bp

OTI Disclaimer: 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).

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:

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: [BC016075](#), [AAH16075](#)

RefSeq Size: 1838 bp

RefSeq ORF: 1182 bp

Locus ID: 66089

UniProt ID: [Q91YQ7](#)

Cytogenetics: 11 B1.3

Gene Summary: Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1. MAEA and RMND5A are both required for catalytic activity of the CTLH E3 ubiquitin-protein ligase complex. Catalytic activity of the complex is required for normal cell proliferation. The CTLH E3 ubiquitin-protein ligase complex is not required for the degradation of enzymes involved in gluconeogenesis, such as FBP1.[UniProtKB/Swiss-Prot Function]