

Product datasheet for **SC319333**

RMND5B (NM_022762) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RMND5B (NM_022762) Human Untagged Clone
Tag:	Tag Free
Symbol:	RMND5B
Synonyms:	GID2; GID2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_022762.3
 GAAGCCGGGGCCGGGGCTGCGGGGCGAGTTGTCGGCCCTGGGCCGGGAGCTGGAGTCCCA
 GACTCATAGGTCCCGGCCAGCCCCGAAGAGCCGCTCAGCCGGGGGAGTTGCTCGGA
 CTCAAACGTCCAGTCTCGTGCGACCGCTGGTTCGGAAGTGAGCAGGCTGAGGCCACC
 ATGGAGCAGTGTGCGTGCGTGGAGAGAGCTGGACAAGTCTCAGAAAGTTCCTGACC
 TACGGGCAGCACTGTGAGCGGAGCCTGGAGGAGCTGCTGCACTACGTGGCCAGCTCGG
 GCTGAGCTGGCCAGCGCAGCCCTCCAGGGGACCCCTCTCTCAGCCACCCTCTCTGGTG
 ATGTCACAGTGTGCGGGAAGATCAAAGATACGGTGCAGAACTGGCTTCGGACCATAAG
 GACATTCACAGCAGTGTATCCCGAGTGGGCAAAGCCATTGACAGGAACTTCGACTCTGAG
 ATCTGTGGTGTGTGTCAGATGCGGTGTGGGACGCGGGGAACAGCAGCAGCAGATCCTG
 CAGATGGCCATCGTGAACACCTGTATCAGCAGGGCATGCTCAGCGTGGCCGAGGAGCTG
 TGCCAGGAATCAACGCTGAATGTGGACTTGATTTCAAGCAGCCTTCTAGAGTTGAAT
 CGAATCCTGGAAGCCCTGCACGAACAAGACCTGGGTCTGCGTTGAATGGGCCGTCTCC
 CACAGGCAGCGCTGCTGGAACCAACAGCTCCCTGGAGTTCAAGCTGCACCGACTGCAC
 TTCATCCGCCTCTTGGCAGGAGGCCCGGAAGCAGCTGGAGGCCCTCAGCTATGCTCGG
 CACTTCCAGCCCTTGTCTCGGCTGCACACGCGGAGATCCAGGTGATGATGGGCAGCCTG
 GTGTACCTGCGGCTGGGCTTGGAGAAGTACCCTACTGCCACCTGCTGGACAGCAGCCAC
 TGGGCAGAGATCTGTGAGACCTTACCCGGGACGCCTGTTCCCTGCTGGGGCTTCTGTG
 GAGTCCCCCTTAGCGTCAGCTTTCCTCTGGCTGTGTGGCGCTGCCTGTGTTGATGAAC
 ATCAAGGCTGTGATTGAGCAGCGGCAGTGCCTGGGTCTGGAATCACAAGGACGAGTTA
 CCGATTGAGATTGAACTAGGCATGAAGTGTGGTACCCTCCGTGTTGCTTGGCCCATC
 TCCCGCAGCAGACGTCAGATTTCAACCCTCCCATCAAGCTCATCTGTGGCCATGTTATC
 TCCCGAGATGCACTCAATAAGCTCATTAAATGGAGGAAAGCTGAAGTGTCCCTACTGCC
 ATGGAGCAGAACC CGCAGATGGGAAACGCATCATATTCTGATTCTACCTGGAAGGAAT
 TTTGTTGAAAGGGTTTTACCTGTGAGCCTTGGTCTGTCTCGGTAGGGTGGTCAACTTC
 AGTGGACTGTGGTTGGTTTCAGAGCGCCTGGCTGAGGAGTTCCACTGAGGGGAGCACTGG
 AGCAGCCCTTGGCAGAGGCTGAGGAGGGAGATGGACCAGCCACGCCTGGCACCTGGCT
 CCATGGCATAAGGAAAGGGAGATGCTGGCCTCTGTGCTCTGCTGCTTTTCTGTTTCT
 GTTTGCGTTTGACTTAGTAGCAACCGACAGAGTGGCAAGGGATTGGTCTCAGCAGTAG
 ACATCCTTCCACCCTGCCCTCAGCCAAGTCTTGTGCTGCCATGCCAATGCTATGCTCAC
 CCTTGCCCTCGGCCAAGAGTGTCCAGCGGTGGCCACCTCTTCTCCACTACAGCCT
 CAACAGTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_022762

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_022762.3 , NP_073599.2
RefSeq Size:	1825 bp
RefSeq ORF:	1182 bp
Locus ID:	64777
UniProt ID:	Q96G75
Cytogenetics:	5q35.3
Domains:	LisH, CTLH
Protein Families:	Stem cell - Pluripotency
Gene Summary:	<p>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 (PubMed:29911972). Catalytic activity of the complex is required for normal cell proliferation (PubMed:29911972). The CTLH E3 ubiquitin-protein ligase complex is not required for the degradation of enzymes involved in gluconeogenesis, such as FBP1 (PubMed:29911972).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (a).</p>