

Product datasheet for **MC205949**

Rmnd5a (BC050876) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rmnd5a (BC050876) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rmnd5a
Synonyms:	MGC59617, MTA.D02.090
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC050876
CCCCGGAGAACCAGGTCATCGGCCGGTCCCGTGAAAACAAAAACAATCGGCGGCGCCGCCGAGGGGCGG
CCGAACGCGGCGAGCCAGGGGGGCCGGGGCGAGACGCGCGCCGGGTAGGGCGGGCGAGCGAGCGCGAG
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ATGGATAGTTTTTCTTTGAATTTAATTTGAGCGTGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA A
    
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Restriction Sites:

RsrII-NotI

ACCN:	BC050876
Insert Size:	1176 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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC050876</u> , <u>AAH50876</u>
RefSeq Size:	3431 bp
RefSeq ORF:	1176 bp
Locus ID:	68477
Cytogenetics:	6 C1
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]