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Product datasheet for MC201215

Rbm8a (NM_025875) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm8a (NM_025875) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbm8a
Synonyms:	2310057C03Rik; AA673428; Rbm8
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC020086 sequence for NM_025875 GCGCCGAGAGAAGCAAGATGGCGGACGTGCTGGATCTTCACGAGGCGGGGGGCGAAGATTTCGCCATGGA TGAGGATGGGGACGAAAGCATCCACAAACTAAAAGAAAAAGCAAAGAAACGGAAGGGCCGCGGCTTTGGC TCCGAGGGGTCCCGAGCGCGGATGCGGGAGGATTACGACAGTGTGGAGCAGGACGGCGATGAACCTGGAC CACAGCGCTCTGTTGAAGGTTGGATTCTCTTTGTCACTGGAGTCCACGAAGAAGCCACTGAAGAAGATAT CCATGACAAATTCGCTGAATATGGGGAAATAAAAAATATTCACCTTAATTTGGACAGGCGCACGGGATAC TTGAAGGGGTATACTCTAGTTGAATATGAAACATACAAAGAGGCTCAGGCTGCCATGGAAGGACTAAATG GTCAAGATTTGATGGGGCAGCCAATCAGTGTGGACTGGTGTTTTGTTCGTGGACCACCAAAGGGCAAGAG GAGAGGAGGCCGAAGACGAAGCAGGAGTCCAGACCGGAGACGCCGTTGATAAATCCTCTGTCGACTGGGT GGTCTCTCTACAAGTCCATTTGGTTATGCTGCCTTGGATAAACAGGGCTAGGGCGGACCTTGTGTTTATA TTTAATTTCTTACCCTATCTACTTGGCATTGCTTTTGAGTTTTAGAAAAAAATAAATGTTCCATTTTGTT TTCTAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_025875
Insert Size:	522 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).

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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: BC020086, AAH20086

RefSeq Size: 722 bp

RefSeq ORF: 522 bp

Locus ID: 60365

UniProt ID: Q9CWZ3

Cytogenetics: 3 F2.1

Gene Summary: Required for pre-mRNA splicing as component of the spliceosome (By similarity). Core component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junctions on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. The EJC marks the position of the exon-exon junction in the mature mRNA for the gene expression machinery and the core components remain bound to spliced mRNAs throughout all stages of mRNA metabolism thereby influencing downstream processes including nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). Its removal from cytoplasmic mRNAs requires translation initiation from EJC-bearing spliced mRNAs. Associates preferentially with mRNAs produced by splicing. Does not interact with pre-mRNAs, introns, or mRNAs produced from intronless cDNAs. Associates with both nuclear mRNAs and newly exported cytoplasmic mRNAs (By similarity). [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the end of an exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.