

Product datasheet for MC207515

Rbm38 (NM_019547) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbm38 (NM_019547) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rbm38
Synonyms: Rnpc1; Seb4; Seb4l
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207515 representing NM_019547
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCTGCAGCCCGCTGCTCCCGAGTGTGTTCCGCGGCCGTCCGCCCCCCAGCGCCATGCAGG
 GCTCACAGAAGGACACCACGTTACCAAGATCTTCGTGGGCGGCCTGCCCTACCACACCACCGACGCATC
 GCTCAGAAAGTACTTCGAGGGCTTCGGAGACATCGAGGAGGCCGTGGTCATCACCAGCCAGACCCGGC
 AAGTCCCGCGGCTACGGCTTCGTGACCATGGCAGATCGGGCAGCGGCTGATAGGGCTTGAAAGACCTA
 ACCCTATCATCGATGGTCGCAAGGCCAATGTGAACCTGGCCTACCTGGGTGCCAAGCCTAGGAGCTTACA
 GACGGGCTTTGCTGTTGGTGTGCAGCACTACACCCACCTTGATCCAGCGCACCTACGGGCTGACTCCT
 CACTACATCTACCCACCAGCCATTGTGCAGCCCAGCGTGGTGTCCCTGCCACCCCTGTCCCGTCACTGT
 CCTCGCCCTACCTTGAGTATACACCAGCCAGCCAGCCTACGCCAGTACCCGCCAGCCACTTACGACCA
 GTACCCATATGCTGCCTCACCTGCTGCAGCCACCAGCTTCGTGGGCTACGGCTACCCTGCTGCCGTGCC
 CAAGCCTTGCTGCTGCTGCACCTGCAGGCACCACCTTCGTGCAGTACCAGGCACCTCAGCTACAGCCTG
 ACAGGATGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019547
Insert Size: 714 bp



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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.
RefSeq:	NM_019547.2 , NP_062420.2
RefSeq Size:	1787 bp
RefSeq ORF:	714 bp
Locus ID:	56190
UniProt ID:	Q62176
Cytogenetics:	2 H3
Gene Summary:	RNA-binding protein that specifically bind the 3' UTR of CDKN1A transcripts, leading to maintain the stability of CDKN1A transcripts, thereby acting as a mediator of the p53/TP53 family to regulate CDKN1A. CDKN1A is a cyclin-dependent kinase inhibitor transcriptionally regulated by the p53/TP53 family to induce cell cycle arrest. Has the ability to induce cell cycle arrest in G1 and maintain the stability of CDKN1A transcripts induced by p53/TP53. Also acts as a mRNA splicing factor. Specifically regulates the expression of FGFR2-IIIb, an epithelial cell-specific isoform of FGFR2 (By similarity). Plays a role in myogenic differentiation. [UniProtKB/Swiss-Prot Function]