

Product datasheet for MR201195

Rbm38 (BC006687) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbm38 (BC006687) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rbm38
Synonyms: Rnpc1; Seb4; Seb4l
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR201195 representing BC006687
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGATCGGGCAGCGGCTGATAGGGCTTGCAAGACCCTAACCTATCATCGATGGTCGCAAGGCCA
ATGTGAACCTGGCTACCTGGGTGCAAGCCTAGGAGCTTACAGACGGGCTTTGCTGTTGGTGTGCAGCA
ACTACACCCACCTTGATCCAGCGCACCTACGGGCTGACTCCTACTACATCTACCCACCAGCCATTGTG
CAGCCCAGCGTGGTATCCCTGCCACCCCTGTCCCGTCACTGTCCCTCGCCCTACCTGAGTATACACCAG
CCAGCCCAGCCTACGCCAGTACCCGCCAGCCACTTACGACCAGTACCCATATGCTGCCTCACCTGCTGC
AGCCACCAGCTTCGTGGGCTACGGCTACCTGCTGCCGTGCCCAAGCCTTGTCTGCTGCTGCACCTGCA
GGCACCACCTTCGTGCAGTACCAGGCACCTCAGCTACAGCCTGACAGGATGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201195 representing BC006687
Red=Cloning site Green=Tags(s)

MADRAAADRACKDPNPIIDGRKANVNLAYLGAKPRSLQTGFVGVQQLHPTLIQRTYGLTPHYIYPPAIV
QPSVVIPATPVPSLSSPYLEYTPASPAYAQYPPATYDQYPYAASPAAATSFVGYGYPAAVPQALSAAPA
GTTTFVQYQAPQLQPDQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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:	<u>BC006687</u>
RefSeq Size:	2308 bp
RefSeq ORF:	476 bp
Locus ID:	56190
Cytogenetics:	2 H3
MW:	84.6 kDa
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]