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Product datasheet for SC334963

RBM38 (NM_001291780) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM38 (NM_001291780) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM38
Synonyms:	dJ800J21.2; HSRNASEB; RNPC1; SEB4B; SEB4D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291780, the custom clone sequence may differ by one or more nucleotides

ATGCTGCTGCAGCCCGCGCCGTGCGCCCCGAGCGCGGGCTTCCCGCGGCCCCTGGCCGCCCCCGGCGCCA
TGCACGGCTCGCAGAAGGACACCACGTTCACCAAGATCTTCGTGGGCGGCCTGCCGTACCACACTACCGA
CGCCTCGCTCAGGAAGTACTTCGAGGGCTTCGGCGACATCGAGGAGGCCGTGGTCATCACCGACCGCCAG
ACGGGCAAGTCCCGCGGCTACGGCTTCGGGATTATTTTTGTCCTTGAAGGCCACATTTCCCAGGCCTTGA
ACTTTGACGGGAGGAGCTGGAATCCAGGAGGCATCTTTGTGGGAGAGCCCCAGGTGACCATGGCCGACCG
GGCGGCAGCTGAGAGGGCTTGCAAAGACCCGAACCCCATCATCGACGGCCGCAAGGCCAACGTGAACCTG
GCATATCTGGGCGCCAAGCCGCGGAGCCTCCAGACGGGCTTTGCCATTGGGGTGCAGCAGCTGCACCCCA
CCTTGATCCAGCGGACTTACGGGCTGACCCCGCACTACATCTACCCACCAGCCATCGTGCAGCCCAGCGT
GGTGATCCCAGCCGCCCCTGTCCCGTCGCTGTCCTCGCCCTACATTGAGTACACGCCGGCCAGCCCGGCC
TACGCCCAGTACCCACCGGCCACCTATGACCAGTACCCATACGCCGCCTCGCCTGCCACGGCTGCCAGCT
TCGTGGGCTACAGCTACCCTGCCGCCGTGCCCCAGGCCCTCTCAGCCGCAGCACCCGCGGGCACCACTTT
CGTGCAGTACCAGGCGCCGCAGCTGCAGCCTGACAGGATGCAGTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001291780
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).

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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:	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_001291780.1, NP_001278709.1
RefSeq Size:	2506 bp
RefSeq ORF:	816 bp
Locus ID:	55544
UniProt ID:	Q9H0Z9
Cytogenetics:	20q13.31
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. Isoform 1, but not isoform 2, 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. Plays a role in myogenic differentiation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (c).