

Product datasheet for **RG237069**

RBM38 (NM_001291780) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM38 (NM_001291780) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM38
Synonyms:	dj800J21.2; HSRNASEB; RNPC1; SEB4B; SEB4D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237069 representing NM_001291780. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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TTGAACTTTGACGGGAGGAGCTGGAATCCAGGAGGCATCTTTGTGGGAGAGCCCCAGGTGACCATGGCC
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GCTGCCAGCTTCGTGGGCTACAGTACCCTGCCGCGTGGCCAGGCCCTCTCAGCCGACGACCCCGC
GGCACCACTTTCGTGCAGTACCAGGCGCCGAGCTGCAGCCTGACAGGATGCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237069
 Blue=ORF Red=Cloning site Green=Tag(s)

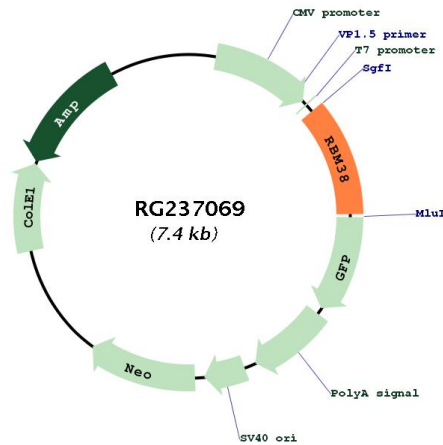
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 SPAYAQQPPATYDQYPYAASPATAASFVGYSYPAAPVQALSAAAPAGTTFFVQYQAPQLQPDQM
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 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291780

ORF Size:	813 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001291780.2
RefSeq Size:	2506 bp
RefSeq ORF:	816 bp
Locus ID:	55544
UniProt ID:	Q9H0Z9
Cytogenetics:	20q13.31
MW:	29.4 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. 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]