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Product datasheet for MR202894L4V

Rbm38 (NM_019547) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rbm38 (NM_019547) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rbm38
Synonyms:	Rnpc1; Seb4; Seb4l
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019547
ORF Size:	714 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR202894).`
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.
RefSeq:	NM_019547.2, NP_062420.2
RefSeq Size:	1787 bp
RefSeq ORF:	714 bp
Locus ID:	56190
UniProt ID:	Q62176
Cytogenetics:	2 H3

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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]