

Product datasheet for **MR211872L3V**

Rbm16 (BC038363) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rbm16 (BC038363) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rbm16
Synonyms:	KIAA1116, mKIAA1116
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	BC038363
ORF Size:	3804 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211872).
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:	BC038363.1
RefSeq Size:	4530 bp
RefSeq ORF:	3806 bp
Locus ID:	106583
Cytogenetics:	17 A1



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Gene Summary:

Anti-terminator protein required to prevent early mRNA termination during transcription. Together with SCAF4, acts by suppressing the use of early, alternative poly(A) sites, thereby preventing the accumulation of non-functional truncated proteins. Mechanistically, associates with the phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit (POLR2A), and subsequently binds nascent RNA upstream of early polyadenylation sites to prevent premature mRNA transcript cleavage and polyadenylation. Independently of SCAF4, also acts as a positive regulator of transcript elongation.
[UniProtKB/Swiss-Prot Function]