

Product datasheet for **MR211690L3V**

Rbl2 (NM_011250) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rbl2 (NM_011250) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rbl2
Synonyms:	p130; PRB2; Rb2; RBR-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_011250
ORF Size:	3405 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211690).
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_011250.4 , NP_035380.3
RefSeq Size:	4935 bp
RefSeq ORF:	3408 bp
Locus ID:	19651
UniProt ID:	Q64700
Cytogenetics:	8 44.25 cM



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Gene Summary:

Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases KMT5B and KMT5C, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.[UniProtKB/Swiss-Prot Function]