

## Product datasheet for **MR218181L4V**

### **Rbm8a (NM\_025875) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Rbm8a (NM_025875) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Rbm8a  |
| Synonyms:                 | 2310057C03Rik; AA673428; Rbm8  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_025875  |
| ORF Size:                 | 519 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR218181).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_025875.2</a> , <a href="#">NP_080151.2</a>  |
| RefSeq Size:              | 2628 bp  |
| RefSeq ORF:               | 522 bp   |
| Locus ID:                 | 60365  |
| UniProt ID:               | <a href="#">Q9CWZ3</a>   |
| Cytogenetics:             | 3 F2.1   |



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**Gene Summary:**

Required for pre-mRNA splicing as component of the spliceosome (By similarity). Core component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junctions on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. The EJC marks the position of the exon-exon junction in the mature mRNA for the gene expression machinery and the core components remain bound to spliced mRNAs throughout all stages of mRNA metabolism thereby influencing downstream processes including nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). Its removal from cytoplasmic mRNAs requires translation initiation from EJC-bearing spliced mRNAs. Associates preferentially with mRNAs produced by splicing. Does not interact with pre-mRNAs, introns, or mRNAs produced from intronless cDNAs. Associates with both nuclear mRNAs and newly exported cytoplasmic mRNAs (By similarity).  
[UniProtKB/Swiss-Prot Function]