

## Product datasheet for **RC212256L3V**

### **RBM25 (NM\_021239) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | RBM25 (NM_021239) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | RBM25  |
| Synonyms:                 | fSAP94; NET52; RED120; RNPC7; S164; Snu71  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_021239  |
| ORF Size:                 | 2529 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC212256).   |
| 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_021239.1</a> , <a href="#">NP_067062.1</a>  |
| RefSeq Size:              | 4189 bp  |
| RefSeq ORF:               | 2532 bp  |
| Locus ID:                 | 58517  |
| UniProt ID:               | <a href="#">P49756</a>   |
| Cytogenetics:             | 14q24.2  |
| Protein Pathways:         | Spliceosome  |
| MW:                       | 100 kDa  |



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**Gene Summary:**

RNA-binding protein that acts as a regulator of alternative pre-mRNA splicing. Involved in apoptotic cell death through the regulation of the apoptotic factor BCL2L1 isoform expression. Modulates the ratio of proapoptotic BCL2L1 isoform S to antiapoptotic BCL2L1 isoform L mRNA expression. When overexpressed, stimulates proapoptotic BCL2L1 isoform S 5'-splice site (5'-ss) selection, whereas its depletion caused the accumulation of antiapoptotic BCL2L1 isoform L. Promotes BCL2L1 isoform S 5'-ss usage through the 5'-CGGGCA-3' RNA sequence. Its association with LUC7L3 promotes U1 snRNP binding to a weak 5' ss in a 5'-CGGGCA-3'-dependent manner. Binds to the exonic splicing enhancer 5'-CGGGCA-3' RNA sequence located within exon 2 of the BCL2L1 pre-mRNA. Also involved in the generation of an abnormal and truncated splice form of SCN5A in heart failure.[UniProtKB/Swiss-Prot Function]