

Product datasheet for **RG212256**

RBM25 (NM_021239) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM25 (NM_021239) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM25
Synonyms:	fSAP94; NET52; RED120; RNPC7; S164; Snu71
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212256 representing NM_021239
 Red=Cloning site Blue=ORF Green=Tags(s)

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ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG212256 representing NM_021239
 Red=Cloning site Green=Tags(s)

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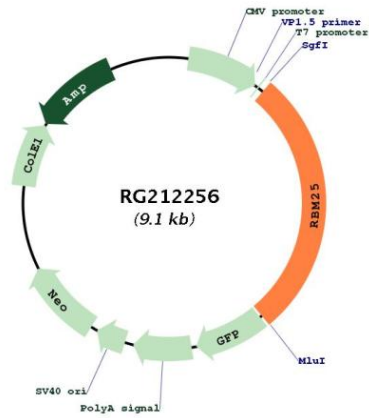
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LVK
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_021239.1 , NP_067062.1
RefSeq Size:	4189 bp
RefSeq ORF:	2532 bp
Locus ID:	58517
UniProt ID:	P49756
Cytogenetics:	14q24.2
Protein Pathways:	Spliceosome
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]

Product images:



Circular map for RG212256