

Recombinant Human RBM25 protein, GST-tagged

Cat. No. RBM25-2212H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant RBM25 protein, fused to GST-tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	235
Description	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.
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5% trehalose and 5% mannitol are added as protectants before lyophilization.
Molecular Mass	52 kDa

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AA Sequence	LKPTLRPISSAPSVSSASGNATPNTPGDESPCGIIPHENSPDQQQP E E H R P K I G L S L KLGASNSPGQPNSVKRKKLPVDSVFNFEDSDDVPRKRKL V P L D Y G E D D K N A T K GTVNTEEK R K H I K S L I E K I P T A K P E L F A Y P L D W S I V D S I L M E R R I R P W I N K K I I E Y I G E E E ATLVDFVCSKVMAHSSPQSILDDVAMVLDEEAEVFIVKMWRLLIYETEAKKIGLVK
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8 centigrade for (1-2 weeks). Long-term storage: Aliquot and store at -20 centigrade to -80 centigrade for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 $\mu\text{g}/\mu\text{l}$ in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage. If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

GENE INFORMATION

Gene Name	RBM25
Official Symbol	RBM25
Synonyms	S164; NET52; RNPC7; Snu71; RED120; fSAP94
Gene ID	58517
mRNA Refseq	NM_021239.3

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Protein Refseq NP_067062.1

MIM 612427

UniProt ID P49756

**SDS-PAGE of
RBM25-2212H**



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