

Recombinant Mouse Rbm38 Protein, Myc/DDK-tagged

Cat. No. Rbm38-5412M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RNA binding motif protein 38 (Rbm38), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	RNA-binding protein that specifically bind the 3'-UTR of CDKN1A transcripts, leading to maintain the stability of CDKN1A transcripts, thereby acting as a mediator of the p53/TP53 family to regulate CDKN1A. CDKN1A is a cyclin-dependent kinase inhibitor transcriptionally regulated by the p53/TP53 family to induce cell cycle arrest. Has the ability to induce cell cycle arrest in G1 and maintain the stability of CDKN1A transcripts induced by p53/TP53. Also acts as a mRNA splicing factor. Specifically regulates the expression of FGFR2-IIIb, an epithelial cell-specific isoform of FGFR2. Plays a role in myogenic differentiation.
Molecular Mass	25.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Rbm38 RNA binding motif protein 38 [*Mus musculus* (house mouse)]

Official Symbol Rbm38

Synonyms Rbm38; RNA binding motif protein 38; Rn; Seb; Seb4; Rnpc1; Seb4l; RNA-binding protein 38; RNA-binding region (RNP1, RRM) containing 1; RNA-binding region-containing protein 1; seb4 mRNA; ssDNA-binding protein SEB4

Gene ID 56190

mRNA Refseq NM_019547

Protein Refseq NP_062420

UniProt ID Q62176

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