

Product datasheet for **TP523309**

Rbm4 (NM_009032) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse RNA binding motif protein 4 (Rbm4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR223309 representing NM_009032
Red=Cloning site **Green**=Tags(s)

MVKLFIGNLPREATEQEIRSLFEQYGKVLCEDIKKNYGFVHIEDKTAEDAIRNLHHYKLHGVNINVEAS
KNKSKASTKLHVGNISPTCTNQELRAKFEYGPVIECDIVKDYAFVHMERAEAVEAIRGLDNTEFQGKR
MHVQLSTSRLRTAPGMGDQSGCYRCGKEGHWSKECPIDRSGRVADLTEQYNEQYGAVRTPYTMSYGDSL
YNNTYGALDAYYKRCRAARSYEAVAAAAASAYSNYAEQTLSQLPQVQNTAMASHLTSTSLDPYNRHLLPP
SGAAAAAAAAAACTAASTSYGRDRSPLRRATGPVLTVGEGYGYGHSELSQASAAARNSLYDMARYERE
QYADRARYSAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 40 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C after receiving vials.
Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: [NP_033058](#)
Locus ID: 19653
UniProt ID: [Q8C7Q4](#)



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RefSeq Size:	2630
Cytogenetics:	19 A
RefSeq ORF:	1083
Synonyms:	4921506I22Rik; lark; Lark1; Mlark; Rbm4a
Summary:	<p>RNA-binding factor involved in multiple aspects of cellular processes like alternative splicing of pre-mRNA and translation regulation. Modulates alternative 5'-splice site and exon selection. Acts as a muscle cell differentiation-promoting factor. Activates exon skipping of the PTB pre-mRNA during muscle cell differentiation. Antagonizes the activity of the splicing factor PTBP1 to modulate muscle cell-specific exon selection of alpha tropomyosin. Binds to intronic pyrimidine-rich sequence of the TPM1 and MAPT pre-mRNAs. Required for the translational activation of PER1 mRNA in response to circadian clock. Binds directly to the 3' UTR of the PER1 mRNA. Exerts a suppressive activity on Cap-dependent translation via binding to CU-rich responsive elements within the 3' UTR of mRNAs, a process increased under stress conditions or during myocytes differentiation. Recruits EIF4A1 to stimulate IRES-dependent translation initiation in response to cellular stress. Associates to internal ribosome entry segment (IRES) in target mRNA species under stress conditions. Plays a role for miRNA-guided RNA cleavage and translation suppression by promoting association of AGO2-containing miRNPs with their cognate target mRNAs. Associates with miRNAs during muscle cell differentiation. Binds preferentially to 5'-CGCGCG[GCA]-3' motif in vitro.[UniProtKB/Swiss-Prot Function]</p>