

Product datasheet for TP307607

RBM4 (NM_002896) Human Recombinant Protein

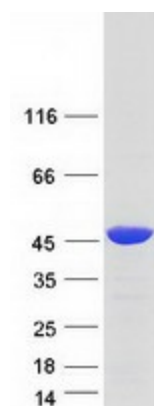
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RNA binding motif protein 4 (RBM4), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207607 protein sequence Red =Cloning site Green =Tags(s) MVKLFIGNLPREATEQEIRSLFEQYGVLECDIIKNYGFVHIEDKTAEDAIRNLHHYKLHGVNINVEAS KNKSKTSTKLHVGNISPTCTNKELRAKFEEYGPVIECDIVKDYAFVHMERAEADAVEAIRGLDNTEFQGKR MHVQLSTSRLRTAPGMGDQSGCYRCGKEGHWSKECPIDRSGRVADLTEQYNEQYGAVRTPTMSYGDSL YNNAYGALDAYYKRCRAARSYEAVAAAAASVYNAYEQTLSQLPQVQNTAMASHLTSTSLDPYDRHLLPTS GAAATAAAAAAAAAAAVTAASTSYGRDRSPLRRATAPVPTVGEGYGYGHESELSQASAAARNSLYDMARY EREQYADRARYSAF SGP TRTRPLE QKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	40.1 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<u>NP_002887</u>
Locus ID:	5936


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UniProt ID:	<u>Q9BWF3</u>
RefSeq Size:	1714
Cytogenetics:	11q13.2
RefSeq ORF:	1092
Synonyms:	LARK; RBM4A; ZCCHC21; ZCRB3A
Summary:	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]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified RBM4 protein (Cat# TP307607). The protein was produced from HEK293T cells transfected with RBM4 cDNA clone (Cat# [RC207607]) using MegaTran 2.0 (Cat# [TT210002]).