

Product datasheet for **TP501494**

Rbm8a (NM_001102407) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RNA binding motif protein 8a (Rbm8a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR201494 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MADVLDLHEAGGEDFAMDEEDGDESIIHKLKEKAKKRKGRGFGSEGSRRARMREDYDSVEQDGDDEPGPQRSVE
GWILFVTGVHEEATEEDIHDKFAEYGEIKNIHLNLDRTGYLKGTYLVEYETYKEAQAAMEGLNGQDLMG
QPISVDWCFVRGPPKGRRGRRRSRSPDRRRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	19.8 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_001095877
Locus ID:	60365
UniProt ID:	Q9CWZ3
RefSeq Size:	2631
Cytogenetics:	3 F2.1



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RefSeq ORF: 522

Synonyms: 2310057C03Rik; AA673428; Rbm8

Summary: Required for pre-mRNA splicing as component of the spliceosome (By similarity). Core component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junctions on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. The EJC marks the position of the exon-exon junction in the mature mRNA for the gene expression machinery and the core components remain bound to spliced mRNAs throughout all stages of mRNA metabolism thereby influencing downstream processes including nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). Its removal from cytoplasmic mRNAs requires translation initiation from EJC-bearing spliced mRNAs. Associates preferentially with mRNAs produced by splicing. Does not interact with pre-mRNAs, introns, or mRNAs produced from intronless cDNAs. Associates with both nuclear mRNAs and newly exported cytoplasmic mRNAs (By similarity).[UniProtKB/Swiss-Prot Function]