Recombinant Human RBM8A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RBM8A-684H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RBM8A MS Standard C13 and N15-labeled recombinant protein (NP_005096) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein with a conserved RNA-binding motif. The protein is found predominantly in the nucleus, although it is also present in the cytoplasm. It is preferentially associated with mRNAs produced by splicing, including both nuclear mRNAs and newly exported cytoplasmic mRNAs. It is thought that the protein remains associated with spliced mRNAs as a tag to indicate where introns had been present, thus coupling pre- and post-mRNA splicing events. Previously, it was thought that two genes encode this protein, RBM8A and RBM8B; it is now thought that the RBM8B locus is a pseudogene. There are two alternate translation start codons with this gene, which result in two forms of the protein. An allele mutation and a low-frequency noncoding single-nucleotide polymorphism (SNP) in this gene cause thrombocytopenia-absent radius (TAR) syndrome.
Molecular Mass	19.7 kDa
AA Sequence	MADVLDLHEAGGEDFAMDEDGDESIHKLKEKAKKRKGRGFGSEEGSRARMREDYD SVEQDGDEPGPQRSVEGWILFVTGVHEEATEEDIHDKFAEYGEIKNIHLNLDRRTGY

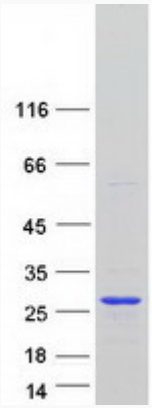
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	LKGYTLVEYETYKEAQAAMEGLNGQDLMGQPISVDWCFVRGPPKGKRRGGRRRS RSPDRRRRTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	RBM8A RNA binding motif protein 8A [Homo sapiens (human)]
Official Symbol	RBM8A
Synonyms	RBM8A; RNA binding motif protein 8A; RBM8; RNA-binding protein 8A; BOV 1A; BOV 1B; BOV 1C; RBM8B; Y14; ZNRP; BOV-1; binder of OVCA1-1; ribonucleoprotein RBM8; RNA-binding protein Y14; ribonucleoprotein RBM8A; RNA binding motif protein 8B; RNA-binding motif protein 8A; TAR; ZRNP1; BOV-1A; BOV-1B; BOV-1C; MDS014; DEL1q21.1; C1DELq21.1;
Gene ID	9939
mRNA Refseq	NM_005105
Protein Refseq	NP_005096

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MIM	605313
UniProt ID	Q9Y5S9
SDS-PAGE	

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