

Recombinant Human RBM8A, His-tagged

Cat. No. RBM8A-30135TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Y14 with a C terminal His tag; 182 amino acids with the tag, predicted mwt: 20.9 kDa.
Species	Human
Source	E.coli
ProteinLength	174 amino acids
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. Two alternative start codons result in two forms of the protein, and this gene also uses multiple polyadenylation sites.
Conjugation	HIS
Molecular Weight	20.900kDa inclusive of tags
Tissue specificity	Ubiquitous.

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Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MADVLDLHEA GGEDFAMDED GDESIHKLKE KAKKRKGRGF GSEEGSRARM REDYDSVEQD GDEPGPQRSV EGWILFVTGV HEEATEEDIH DKFAEYGEIK NIHLNLDLDRRT GYLKGYTLVE YETYKEAQA MEGLNGQDLM GQPISVDWCF VRGPPKGRRR GGRRRSRSPD RRRRLEHHHH HH
Sequence Similarities	Belongs to the RBM8A family. Contains 1 RRM (RNA recognition motif) domain.
GENE INFORMATION	
Gene Name	RBM8A RNA binding motif protein 8A [Homo sapiens]
Official Symbol	RBM8A
Synonyms	RBM8A; RNA binding motif protein 8A; RBM8; RNA-binding protein 8A; BOV 1A; BOV 1B; BOV 1C; RBM8B; Y14; ZNRP;
Gene ID	9939
mRNA Refseq	NM_005105

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Protein Refseq	NP_005096
MIM	605313
Uniprot ID	Q9Y5S9
Chromosome Location	1q21.1
Pathway	Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Exon junction complex (EJC), organism-specific biosystem; Formation and Maturation of mRNA Transcript, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	RNA binding; mRNA binding; nucleotide binding; protein binding;

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