

Product datasheet for PH309770

Y14 (RBM8A) (NM_005105) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RBM8A MS Standard C13 and N15-labeled recombinant protein (NP_005096)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209770
Predicted MW:	19.7 kDa
Protein Sequence:	>RC209770 representing NM_005105 Red=Cloning site Green=Tags(s) MADVLDLHEAGGEDFAMDEDGDESIIHKLKEKAKKRKGRGFGSEEGSRARMREDYDSVEQDGPQRQSV EGWILFVTGVHEEATEEDIHDKFAEYGEIKNIHLNDRRTGYLKGTYLVEYETYKEAQAAMEGLNGQDLM GQPISVDWCFVRGPPKGRGRRRRSRSPDRRRR TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005096
RefSeq Size:	2787
RefSeq ORF:	522
Synonyms:	BOV-1A; BOV-1B; BOV-1C; C1DELq21.1; DEL1q21.1; MDS014; RBM8; RBM8B; TAR; Y14; ZNRP; ZRNP1
Locus ID:	9939
UniProt ID:	Q9Y5S9 , A0A023T787



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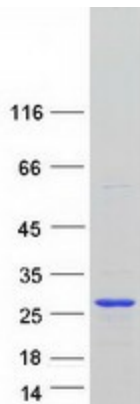
Cytogenetics: 1q21.1

Summary: 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. [provided by RefSeq, Jul 2013]

Protein Families: Druggable Genome

Protein Pathways: Spliceosome

Product images:



Coomassie blue staining of purified RBM8A protein (Cat# [TP309770]). The protein was produced from HEK293T cells transfected with RBM8A cDNA clone (Cat# [RC209770]) using MegaTran 2.0 (Cat# [TT210002]).