

Product datasheet for TP309770

OriGene Technologies, Inc.

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Y14 (RBM8A) (NM 005105) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human RNA binding motif protein 8A (RBM8A), 20 μg

Species: Human Expression Host: HEK293T

Expression cDNA >RC209770 representing NM_005105

Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MADVLDLHEAGGEDFAMDEDGDESIHKLKEKAKKRKGRGFGSEEGSRARMREDYDSVEQDGDEPGPQRSV EGWILFVTGVHEEATEEDIHDKFAEYGEIKNIHLNLDRRTGYLKGYTLVEYETYKEAQAAMEGLNGQDLM

GQPISVDWCFVRGPPKGKRRGGRRRSRSPDRRRR

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Predicted MW: 19.7 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: NP 005096

Locus ID: 9939

UniProt ID: Q9Y5S9, <u>A0A023T787</u>

RefSeq Size: 2787





Cytogenetics: 1q21.1

RefSeq ORF: 522

Synonyms: BOV-1A; BOV-1B; BOV-1C; C1DELq21.1; DEL1q21.1; MDS014; RBM8; RBM8B; TAR; Y14; ZNRP;

ZRNP1

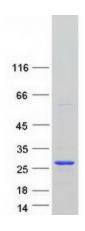
Summary: This gene encodes a protein with a conserved RNA-binding motif. The protein is found

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]).