

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | RBM8A MS Standard C13 and N15-labeled recombinant protein (NP_005096) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | <p>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.</p> |
| <b>Molecular Mass</b>   | 19.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | <p>MADVLDLHEAGGEDFAMDEDGDESIHKLKEKAKKRKGRGFGSEEGSRARMREDYD<br/>SVEQDGDDEPGPQRSVEGWILFVTGVHEEATEEDIHDKFAEYGEIKNIHLNLDRTGY</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|                         |                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | LKGYTLVEYETYKEAQAAMEGLNGQDLMGQPISVDWCFVRGPPKGKRRGGRRRS<br>RSPDRRRRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                              |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                     |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                     |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>        | RBM8A RNA binding motif protein 8A [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>  | RBM8A                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 9939                                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>      | NM_005105                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_005096                                                                                                                                                                                                                                                                                                                                       |

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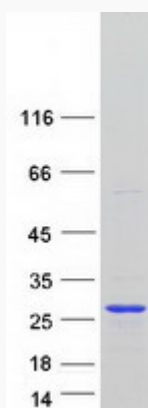
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MIM 605313

UniProt ID Q9Y5S9

SDS-PAGE



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