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### Recombinant human RBM8A protein

Catalog Number: ATGP0990

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-174aa

#### **UniProt No.**

09Y5S9

#### **NCBI Accession No.**

NP 005096.1

#### **Alternative Names**

RNA-binding protein 8A, BOV-1A, BOV-1B, BOV-1C, MDS014, RBM8, RBM8B, Y14, ZNRP, ZRNP1

#### PRODUCT SPECIFICATION

#### **Molecular Weight**

20.9 kDa (182aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl,1mM DTT

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

RBM8A is a member of the EJC (The exon junction complex) that is involved in mRNA export, cytoplasmic localization and nonsense mediated mRNA decay. This protein has the ability to communicate to the cytoplasm the processing history of the mRNA, including the position of the removed introns. Although it shuttles to the cytoplasm, it is predominantly detected in the nucleus and is colocalized with oskar mRNA at the posterior pole of the cell. Recombinant human RBM8A protein, fused to His-tag at C-terminus, was expressed in E. coli and purified by using conventional chromatography.



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#### **Amino acid Sequence**

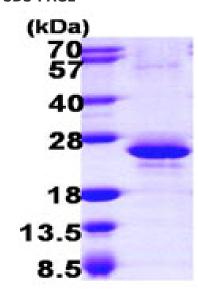
MADVLDLHEA GGEDFAMDED GDESIHKLKE KAKKRKGRGF GSEEGSRARM REDYDSVEQD GDEPGPQRSV EGWILFVTGV HEEATEEDIH DKFAEYGEIK NIHLNLDRRT GYLKGYTLVE YETYKEAQAA MEGLNGQDLM GQPISVDWCF VRGPPKGKRR GGRRRSRSPD RRRR<LEHHHH HH>

#### **General References**

Reichert V.L. et al. (2002) Genes Dev., 16: 2778-2791. Dostie J. et al. (2002) Curr. Biol. 12: 1060-1067.

#### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

