

RBM8A Human

Description: RBM8A produced in E.Coli is a single, non-glycosylated polypeptide chain containing 182 amino acids (1-174 a.a.) and having a molecular mass of 20.9kDa. RBM8A is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-193

For research use only.

Synonyms: RNA-binding protein 8A, Binder of OVCA1-1, BOV-1, RNA-binding motif protein 8A, RNA-binding protein Y14, Ribonucleoprotein RBM8A, RBM8A, RBM8, Y14, ZNRP, RBM8B, ZRNP1, BOV-1A, BOV-1B, BOV-1C, MDS014.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MADVLDLHEA GGEDFAMDED GDESIHLKE KAKKRKGRGF
GSEEGSRARM REDYDSVEQD GDEPGPQRSV EGWILFVTGV HEEATEEDIH DKFAEYGEIK
NIHLNLD RRT GYLKGYTLVE YETYKEAQAA MEGLNGQDLM GQPISVDWCF VRGPPKGKRR
GGRRRSRSPD RRRRLEHHHH HH.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The RBM8A solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.1M NaCl and 1mM DTT.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

RBM8A belongs to the EJC (The exon junction complex) which is involved in mRNA export, cytoplasmic localization and nonsense mediated mRNA decay. RBM8A is able to communicate to the cytoplasm the processing history of the mRNA, including the position of the removed introns. Even though RBM8A shuttles to the cytoplasm, it is mostly detected in the nucleus and is colocalized with oskar mRNA at the posterior pole of the cell.

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