RNA-Binding Protein 8a (rbm8a) Xenopus Tropicalis Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA-binding protein 8A (rbm8a), Recombinant Protein
Full Product Name	Recombinant Xenopus tropicalis RNA-binding protein 8A (rbm8a)
Product Gene Name	rbm8a recombinant protein
Product Synonym Gene Name	rbm8a
Sequence	MADVLDLHEA GGEDFAMDED GDESIHKLKE KAKKRKGRGF GADEGTRARI REDYDSVEQD GDEPGPQRSV EGWILFVTGV HEEATEEDIH DKFGEFGEIK NIHLNLDRRT GFLKGYALVE YETYKEALAA MEGLNGQDLM GQPISVDWGF VRGPPKGKRR SGRRRSRSPE RRRR
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	19,762 Da
Sequence Positions	1-174, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q28BZ1
Species	Xenopus tropicalis (Western clawed frog) (Silurana tropicalis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rbm8a recombinant protein	MBS1416624 is a recombinant protein targeting rbm8a. Also known as Recombinant Xenopus tropicalis RNA-binding protein 8A (rbm8a). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rbm8a recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for rbm8a. It may not necessarily be applicable to this product.

NCBI GI #	113931396
NCBI GeneID	733972
NCBI Accession #	NP_001039147.1
UniProt Primary Accession #	Q28BZ1
UniProt Related Accession #	Q28BZ1
GenBank Nucleotide #	NM_001045682.1

NCBI Official Full Name	RNA-binding protein 8A
NCBI Official Synonym Full Names	RNA binding motif protein 8A
NCBI Official Symbol	rbm8a
NCBI Official Synonym Symbols	Y14; rbm8; znrp; rbm8b; zrnp1; rbm8a-a; rbm8a-b; tsunagi
UniProt Protein Name	RNA-binding protein 8A
UniProt Synonym Protein Names	RNA-binding motif protein 8A; Ribonucleoprotein RBM8A
Protein Family	RNA-binding protein
UniProt Gene Name	rbm8a
UniProt Synonym Gene Names	rbm8
NCBI Protein Information	RNA-binding protein 8A
UniProt Comments for rbm8a	Core component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junctions on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. The EJC marks the position of the exon-exon junction in the mature mRNA for the gene expression machinery and the core components remain bound to spliced mRNAs throughout all stages of mRNA metabolism thereby influencing downstream processes including nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). Its removal from cytoplasmic mRNAs requires translation initiation from EJC-bearing spliced mRNAs. Associates preferentially with mRNAs produced by splicing. Does not interact with pre-mRNAs, introns, or mRNAs produced from intronless cDNAs. Associates with both nuclear mRNAs and newly exported cytoplasmic mRNAs ().
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