

Heterogeneous nuclear ribonucleoproteins A2/B1 (Hnrnpa2b1) Recombinant Protein | Hnrnpa2b1 recombinant protein

Recombinant Mouse Heterogeneous nuclear ribonucleoproteins A2/B1 (Hnrnpa2b1)

CATALOG # AAA18555	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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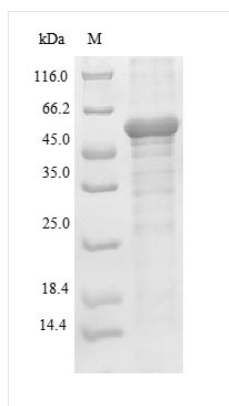
PRODUCT SYNONYMS

Heterogeneous nuclear ribonucleoproteins A2/B1 (Hnrnpa2b1); Recombinant Mouse Heterogeneous nuclear ribonucleoproteins A2/B1 (Hnrnpa2b1); Heterogeneous nuclear ribonucleoproteins A2/B1; hnRNP A2/B1; Hnrnpa2b1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-353aa; Full Length
Sequence	MEKTLETVPL ERKKREKEQF RKLFIGGLSF ETTEESLRNY YEQWGKLTDC VVMRDPASKR SRGFGFVTF SMAEVDAAMA ARPHSIDGRV VEPKRAVARE ESGKPGAHVT VKKLFVGGIK EDTEEHHLRD YFEEYGKIDT IEIITDRQSG KKRGFVTF DDHDPVDKIV LQKYHTINGH NAEVRKALSR QEMQEVQSSR SGRGGNFGFG DSRGGGGNFG PGPGSNFRGG SDGYGSGRGF GDGYNGYGGG PGGGNFGGSP GYGGRGGYG GGPGYGNQG GYGGGYDNY GGGNYGSGSY NDFGNYNQQP SNYGPMKSGN FGSRNMGGP YGGNYGPGG SGGSGGYGGR SRY
Species	Mus musculus (Mouse)
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.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Hnrnpa2b1 recombinant protein	Heterogeneous nuclear ribonucleoprotein (hnRNP) that associates with nascent pre-mRNAs, packaging them into hnRNP particles. The hnRNP particle arrangement on nascent hnRNA is non-random and sequence-dependent and serves to condense and stabilize the transcripts and minimize tangling and knotting. Packaging plays a role in various processes such as transcription, pre-mRNA processing, RNA nuclear export, subcellular location, mRNA translation and stability of mature mRNAs. Forms hnRNP particles with at least 20 other different hnRNP and heterogeneous nuclear RNA in the nucleus. Involved in transport of specific mRNAs to the cytoplasm in oligodendrocytes and neurons: acts by specifically recognizing and binding the A2RE (21 nucleotide hnRNP A2 response element) or the A2RE11 (derivative 11 nucleotide oligonucleotide) sequence motifs present on some mRNAs, and promotes their transport to the cytoplasm. Specifically binds single-stranded telomeric DNA sequences, protecting telomeric DNA repeat against endonuclease digestion. Also binds other RNA molecules, such as primary miRNA (pri-miRNAs): acts as a nuclear 'reader' of the N6-methyladenosine (m6A) mark by specifically recognizing and binding a subset of nuclear m6A-containing pri-miRNAs. Binding to m6A-containing pri-miRNAs promotes pri-miRNA processing by enhancing binding of DGCR8 to pri-miRNA transcripts. Involved in miRNA sorting into exosomes following sumoylation, possibly by binding (m6A)-containing pre-miRNAs. Acts as a regulator of efficiency of mRNA splicing, possibly by binding to m6A-containing pre-mRNAs
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109134362
NCBI GeneID	53379
NCBI Accession #	NP_058086.2
NCBI GenBank Nucleotide #	NM_016806.3
UniProt Accession #	O88569; Q3UVJ5; Q6PCV9; Q8C2A0; Q8CJ71; Q91ZR9; Q9R204; B9EJ02
Molecular Weight	53.4 kDa
NCBI Official Full Name	heterogeneous nuclear ribonucleoproteins A2/B1 isoform 1
NCBI Official Synonym Full Names	heterogeneous nuclear ribonucleoprotein A2/B1
NCBI Official Symbol	Hnrnpa2b1
NCBI Official Synonym Symbols	Hnrpa2; hnrnp-A; Hnrpa2b1; 9130414A06Rik
NCBI Protein Information	heterogeneous nuclear ribonucleoproteins A2/B1; hnRNP A2/B1; heterogenous nuclear ribonucleoprotein A2/B1
UniProt Protein Name	Heterogeneous nuclear ribonucleoproteins A2/B1
UniProt Gene Name	Hnrnpa2b1
UniProt Synonym Gene Names	Hnrpa2b1; hnRNP A2/B1
UniProt Entry Name	ROA2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/hnrnpa2b1-recombinant-protein-e-coli/18555>