

Product datasheet

Recombinant Human hnRNP A1 (isoform A1-A) protein
ab91691

2 Images

Description

Product name	Recombinant Human hnRNP A1 (isoform A1-A) protein
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MSKSESPKEPEQLRKLFIGGLSFETTDESLRSHFEQW GTLTDCVVMRDPN TKR SRGFGFVTYATVEEVDAAMNARPHKVDGRVVEPKRA VSREDSQRP GAHLTVKK IFVGGIKEDTEEHHLRDYFEQYGKIEVIEIMDRGSGKKR GFADFVTFDDHDSV DKVIQKYHTVNGHNCEVRKALSKQEMASASSSQR GRSGSGNFGGGRGGGFGG NDNFGRGGNFSGRGGFGGSRGGGGYGGSGD GYNGFGNDGSNFGGGGSYNDFGN YNNQSSNFGPMKGGNFGGRSSGPYG GGGQYFAKPRNQGGYGGSSSSSSSYGSGR RF (Amino acid sequence (Sequence determined by 5' Sequencing))</p>

Specifications

Our [Abpromise guarantee](#) covers the use of **ab91691** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	<p>Mass Spectrometry</p> <p>SDS-PAGE</p> <p>Western blot</p>
Form	Lyophilised
Additional notes	Protein Identity confirmed by Mass Spectrometry (MS/MS)(acquired on initial reference batch)

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 4.50

Constituents: 1.2% Monobasic dihydrogen sodium phosphate, 0.5% Trehalose, 36% Urea, 1.64% Sodium phosphate, 0.058% Sodium chloride

Reconstitution

Reconstitute with 50 µl distilled water.

General Info

Function

Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection. May play a role in HCV RNA replication.

Sequence similarities

Contains 2 RRM (RNA recognition motif) domains.

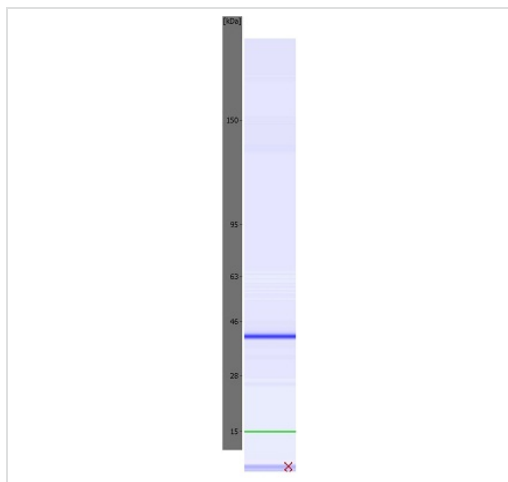
Post-translational modifications

Arg-194, Arg-206 and Arg-225 are dimethylated, probably to asymmetric dimethylarginine. Sumoylated.

Cellular localization

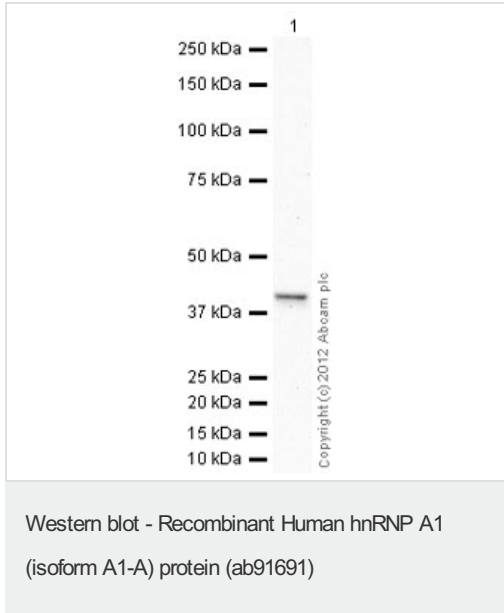
Nucleus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Shuttles continuously between the nucleus and the cytoplasm along with mRNA. Component of ribonucleosomes. In the course of viral infection, colocalizes with HCV NS5B at speckles in the cytoplasm in a HCV-replication dependent manner.

Images



SDS-PAGE - Recombinant Human hnRNP A1
(isoform A1-A) protein (ab91691)

The image shows an electrophoretic assay performed using an Agilent 5100 ALP. In some images coloured control bands can be seen at 15 kDa (green) and/or 240 kDa (purple). The protein-specific band is blue.



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