

HNRNPA1 Protein, Human, Recombinant (His)

General Information

Synonyms:	hnRNP core protein A1;Heterogeneous nuclear ribonucleoprotein A1;HNRNPA1;hnRNP A1; Helix-destabilizing protein;HNRPA1;Single-strand RNA-binding protein
Protein Construction:	2-354 aa
Species:	Human
Expression Host:	E. coli
Accession:	P09651
Molecular Weight:	40.9 kDa (predicted)
AA Sequence:	SKSESPKEPEQLRKLFIGGLSFETTDESLRSHFEQWGTLTDCVVMRDPNPKRSRGGFVITYATVEEVDAAMNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGIKEDTEEHHLRDYFEQYGKIEVIEIMDRGSGKRRGF AFVTFDDHDSVDKIVIQKYHTVNGHNCEVRKALSQEMASASSQRGRSGNFGGGRRGGGFGGNDNFGR GGNFSGRGGFGGSRGGGGYGGSGDGYNGFGNDGGYGGGGPGYSGGSRGYGGGQGYGNQGSYGGSGS YDSYNNGGGGGFGGGSGSNFGGGGSYNDFGNYNNQSSNFGPMKGGNFGGRSSGPYGGGGQYFAKPRNQ

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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 bind to specific miRNA hairpins. Binds to the IRES and

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thereby inhibits the translation of the apoptosis protease activating factor APAF1.; (Microbial infection) May play a role in HCV RNA replication.; (Microbial infection) Cleavage by Enterovirus 71 protease 3C results in increased translation of apoptosis protease activating factor APAF1, leading to apoptosis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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