

Recombinant Full Length Human HNRNPA1 Protein, GST-tagged

Cat. No. HNRNPA1-3673HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HNRPA1 full-length ORF (AAH33714.1, 1 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	320 amino acids
Description	This gene belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has two repeats of quasi-RRM domains that bind to RNAs. It is one of the most abundant core proteins of hnRNP complexes and it is localized to the nucleoplasm. This protein, along with other hnRNP proteins, is exported from the nucleus, probably bound to mRNA, and is immediately re-imported. Its M9 domain acts as both a nuclear localization and nuclear export signal. The encoded protein is involved in the packaging of pre-mRNA into hnRNP particles, transport of poly A⁺ mRNA from the nucleus to the cytoplasm, and may modulate

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

splice site selection. It is also thought have a primary role in the formation of specific myometrial protein species in parturition. Multiple alternatively spliced transcript variants have been found for this gene but only two transcripts are fully described. These variants have multiple alternative transcription initiation sites and multiple polyA sites. [provided by RefSeq]

Molecular Mass 60.94 kDa

AA Sequence

MSKSESPKEPEQLRKLFIGGLSFETTDDESLRSHFEQWGTLTDCVVMRDPNTKRSRG
FGFVTYATVEEVDAAMNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGI
KEDTEEHHLRDYFEQYKGKIEVIEIMDRGSGKKRGFAFVTDDHDSVDKIVIKYHTV
NGHNCEVRKALSKQEMASASSSQRGRSGSGSFGGGRRGGGFGGNDNFRGGNFS
GRGGFGGSRGGGGYGGSGDGYNGFGNDGSNFGGGGSYNDFGNYYNNQSSNFGP
MKGGNFGGRSSGPYGGGGQYFAKPRNQGGYGGSSSSSSSYGSGRRF

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [HNRNPA1 heterogeneous nuclear ribonucleoprotein A1 \[Homo sapiens \]](#)

Official Symbol [HNRNPA1](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	HNRNPA1; heterogeneous nuclear ribonucleoprotein A1; HNRPA1; hnRNP A1; hnRNPA1; hnRNP A1-like 3; hnRNP core protein A1; helix-destabilizing protein; hnRNP core protein A1-like 3; single-strand RNA-binding protein; single-strand DNA-binding protein UP1; nuclear ribonucleoprotein particle A1 protein; heterogeneous nuclear ribonucleoprotein B2 protein; heterogeneous nuclear ribonucleoprotein A1B protein; heterogeneous nuclear ribonucleoprotein core protein A1; Putative heterogeneous nuclear ribonucleoprotein A1-like 3; HNRPA1L3; hnRNP-A1; MGC102835;
Gene ID	3178
mRNA Refseq	NM_002136
Protein Refseq	NP_002127
MIM	164017
UniProt ID	P09651