

# Recombinant Full Length Human HNRNPA1 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human HNRPA1 full-length ORF ( AAH33714.1, 1 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	320 amino acids
<b>Description</b>	<p>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<sup>+</sup> mRNA from the nucleus to the cytoplasm, and may modulate</p>

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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**

```
MSKSESPKEPEQLRKLFIGGLSFETTDESLRSHFEQWGTLTDCVVMRDPNTRSRG
FGFVTYATVEEVDAAMNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGI
KEDTEEHHLRDYFEQYQKIEVIEIMDRGSGKGRGFAFVTFDDHDSVDKIVIQKYHTV
NGHNCEVRKALSKQEMASASSSQRGRSGSGSFGGGRRGGGFGGNDNFRGGNFS
GRGGFGGSRGGGGYGGSGDGYNGFGNDGSNFGGGGSSYNDFGNYNNQSSNFGP
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](#)

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**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](#)

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