

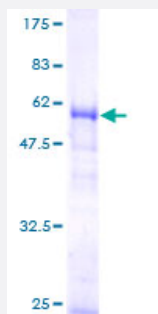
Full-Length

HNRPA1 (Human) Recombinant Protein (P02)

Catalog # H00003178-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HNRPA1 full-length ORF (AAH02355, 1 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSKSESPKEPEQLRKLFIGGLSFETTTDESLRSHFEQWGTLTDCVVMRDPNTRSRGFGFVYAT
VEEVDAAMNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGIKEDTEEHHLRDYFEQY
GKIEVIEIMDRGSGKKRGFAFVTDDHDSVDKMIQKYHTVNGHNCEVRKALSKQEMASASSSQR
GRSGSGNFGGGRGGGFGGNDNFGRRGNFSGRGGFGGSRGGGGYGGSGDGYNGFGNDGSNF
GGGGSYNDFGNYYNNQSSNFGPMKGGNFGRRSSGPYGGGGQYFAKPRNQGGYGGSSSSSYGS
GRRF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.94

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

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

Gene Info — HNRNPA1

Entrez GeneID	3178
GeneBank Accession#	BC002355
Protein Accession#	AAH02355
Gene Name	HNRNPA1
Gene Alias	HNRPA1, MGC102835
Gene Description	heterogeneous nuclear ribonucleoprotein A1
Omim ID	164017
Gene Ontology	Hyperlink

Gene Summary

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 splice site selection. It is also thought to 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]

Other Designations

helix-destabilizing protein|heterogeneous nuclear ribonucleoprotein A1B protein|heterogeneous nuclear ribonucleoprotein B2 protein|heterogeneous nuclear ribonucleoprotein core protein A1|nuclear ribonucleoprotein particle A1 protein|single-strand DNA-bind

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)