

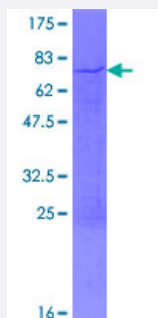
Full-Length

# HNRPD (Human) Recombinant Protein (P01)

Catalog # H00003184-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human HNRPD full-length ORF ( NP\_112738.1, 1 a.a. - 355 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MSEEQFGGDGAAAAATAAVGGSAGEQEGAMVAATQGAAAAAGSGAGTGGGTASGGTEGSSA  
ESEGAKIDASKNEEDEGHSSNSPRHSEAATAQREEWKMFIGGLSWDTTKKDLKDYFSKFGEVV  
DCTLKLDPITGRSRGFGFVLFKESESVDKVMQKEHKLNGKVIDPKRAKAMKTKEPVKKIFVGGL  
SPDTPEEKIREYFGGFGEVESIELPMDNKTNKRGRFCFITFKEEEPVKKIMEKKYHNVGLSKCEIKV  
AMSKEQYQQQQWWSRGGFAGRARGRGGGPSQNWQGYSNYWNQGYGNYGYNSSQGYGGYG  
GYDYTGYNYYGYGDYSNQQSGYGKVSRRGGHQNSYKPY

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

64.8

### 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 — HNRNPD

Entrez GeneID [3184](#)

GeneBank Accession# [NM\\_031370.2](#)

Protein Accession# [NP\\_112738.1](#)

Gene Name HNRNPD

Gene Alias AUF1, AUF1A, HNRPD, P37, hnRNP0

Gene Description heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa)

Omim ID [601324](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are nucleic acid 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 localizes to both the nucleus and the cytoplasm. This protein is implicated in the regulation of mRNA stability. Alternative splicing of this gene results in four transcript variants. [provided by RefSeq]

**Other Designations** ARE-binding protein AUF1, type A|AU-rich element RNA-binding protein 1|heterogeneous nuclear ribonucleoprotein D|heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA-binding protein 1, 37kD)