

# Recombinant human HNRNPAB protein

Catalog Number: ATGP2371

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-285aa

### UniProt No.

Q99729

### NCBI Accession No.

NP\_004490

### Alternative Names

Heterogeneous nuclear ribonucleoprotein A/B isoform b, Heterogeneous nuclear ribonucleoprotein A/B, ABBP1; HNRNPAB

## PRODUCT SPECIFICATION

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### Molecular Weight

33 kDa (308aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

HNRNPAB belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are produced by RNA polymerase II and are components of the heterogeneous nuclear RNA (hnRNA) complexes. They 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

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acid binding properties. HNRNPAB, which binds to one of the components of the multiprotein editosome complex, has two repeats of quasi-RRM (RNA recognition motif) domains that bind to RNAs. Recombinant human HNRNPAB protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

## Amino acid Sequence

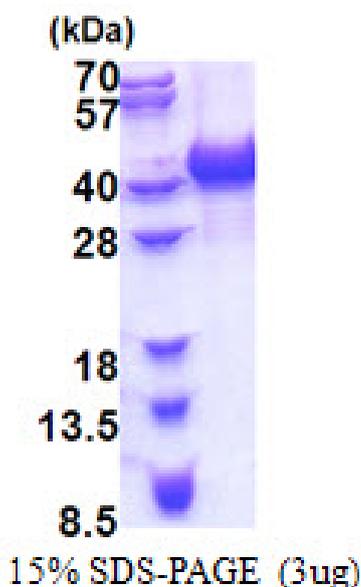
MGSSHHHHHH SGLVPRGSH MGSMSSEAGEE QPMETTGate NGHEAVPEGE SPAGAGTGAA AGAGGATAAP  
PSGNQNGAEG DQINASKNEE DAGKMFVGG L SWDTSKKDLK DYFTKFGVEV DCTIKMDPNT GRSRGFGFIL FKDAASVEKV  
LDQKEHRLDG RVIDPKKAMA MKKDPVKKIF VGGLNPEATE EKIREYFGEF GEIEAIELPM DPKLNKRRGF VFITFKEEEP  
VKKVLEKKFH TVSGSKCEIK VAQPKEVYQQ QYGS GGRGN RNRGNRSGG GGGGGGQGST NYGKSQRRGG HQNNYKPY

## General References

Joeson L., Vikesaa J, et al. (2007), *Mol. Cell. Proteomics* 6:798-811

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.