

Recombinant human HNRNPAB protein

Catalog Number: ATGP2371

PRODUCT INFORMATION

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

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

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

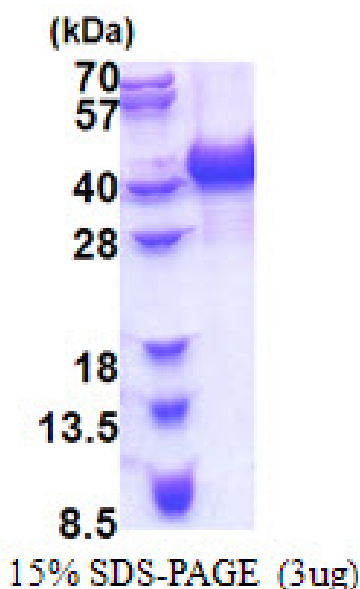
MGSSHHHHHH SSGLVPRGSH MGSMSEAGEE QPMETTGate NGHEAVPEGE SPAGAGTGAA AGAGGATAAP
PSGNQNGAEG DQINASKNEE DAGKMFVGGL SWDTSKKDLK DYFTKFGEVV DCTIKMDPNT GRSRGFGFIL FKDAASVEKV
LDQKEHRLDG RVIDPKKAMA MKKDPVKKIF VGGLNPEATE EKIREYFGEF GEIEAIELPM DPKLNKRRGF VFITFKEEEP
VKKVLEKKFH TVSGSKCEIK VAQPKEVYQQ QQYGSGGRGN RNRGNRSGSG 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.