Recombinant Human heterogeneous nuclear ribonucleoprotein A/B, His-tagged

Cat. No. HNRNPAB-288H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HNRNPAB, 1-285aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-285 a.a.
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 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.
Form	Liquid. In PBS containing 30% glycerol, 1mM DTT
Molecular Mass	33 kDa (308aa) confirmed by MALDI-TOF

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AA 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 RNRGNRGSGG GGGGGGQGST NYGKSQRRGG HQNNYKPY
Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	HNRNPAB heterogeneous nuclear ribonucleoprotein A/B [Homo sapiens]
Official Symbol	HNRNPAB
Synonyms	ABBP1; HNRPAB
Gene ID	3182
mRNA Refseq	NM_031266.2
Protein Refseq	NP_112556.2
MIM	602688

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UniProt ID	Q99729
Chromosome Location	5q35.3
Pathway	mRNA processing, organism-specific biosystem;
Function	RNA binding;mRNA binding;nucleotide binding;contributes_to sequence-specific DNA binding;contributes_to sequence-specific DNA binding transcription factor activity;

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