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Product datasheet for TP319318L

hnRNP A2B1 (HNRNPA2B1) (NM_002137) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human heterogeneous nuclear ribonucleoprotein A2/B1 (HNRNPA2B1), transcript variant A2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219318 representing NM_002137 Red=Cloning site Green=Tags(s) MEREKEQFRKLFIGGLSFETTEESLRNYYEQWGKLTDCVVMRDPASKRSRGFGFVTFSSMAEVDAAMAAR PHSIDGRVVEPKRAVAREESGKPGAHVTVKKLFVGGIKEDTEEHHLRDYFEEYGKIDTIEIITDRQSGKK RGFGFVTFDDHDPVDKIVLQKYHTINGHNAEVRKALSRQEMQEVQSSRSGRGGNFGFGDSRGGGGNFGPG PGSNFRGGSDGYGSGRGFGDGYNGYGGGPGGGNFGGSPGYGGGRGGYGGGGPGYGNQGGGYGGGYDNYGG GNYGSGNYNDFGNYNQQPSNYGPMKSGNFGGSRNMGGPYGGGNYGPGGSGGSGGYGGRSRY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	35.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Surface Plasmon Ressonance (SPR) (PMID:28338097) Taq polymerase stop assay (binding assay) (PMID:28338097)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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RefSeq: NP_002128

Locus ID: 3181

UniProt ID: P22626

RefSeq Size: 1714

Cytogenetics: 7p15.2

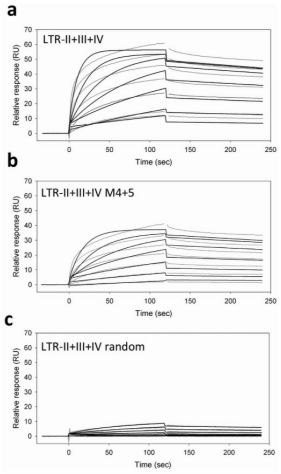
RefSeq ORF: 1023

Synonyms: HNRNPA2; HNRNPB1; HNRPA2; HNRPA2B1; HNRPB1; IBMPFD2; RNPA2; SNRPB1

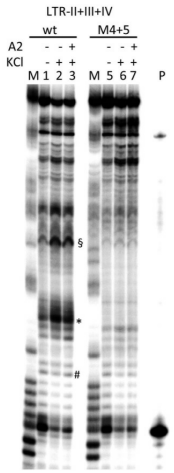
Summary: This gene belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence 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. This gene has been described to generate two alternatively spliced transcript variants which encode different isoforms. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

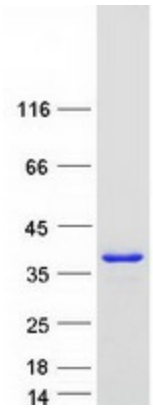
Product images:



The binding affinity of hnRNP A2 (OriGene [TP319318]) for the HIV-1 long terminal repeat promoters LTR-II + III + IV and mutant sequences measured by surface plasmon resonance (SPR) analysis. Figure cited from Sci Rep, PMID: 28338097



Taq polymerase stop assay in the presence of hnRNP A2. Taq polymerization was performed in the presence/absence of KCl and hnRNP A2 (OriGene [TP319318]) on the wild type (wt) and the mutant LTR-II + III + IV M4 + 5 sequences. Figure cited from Sci Rep, PMID: 28338097



Coomassie blue staining of purified HNRNPA2B1 protein (Cat# [TP319318]). The protein was produced from HEK293T cells transfected with HNRNPA2B1 cDNA clone (Cat# [RC219318]) using MegaTran 2.0 (Cat# [TT210002]).