

Active Recombinant Full Length Human HNRNPA2B1 Protein, Flag tagged

Cat. No. HNRNPA2B1-13HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant hnRNPA2B1-B1 protein is the B1 isoform of hnRNPA2B1 and was expressed in a Baculovirus expression system as the full length protein (accession number NP_112533.1) with an N-terminal FLAG-Tag.
Species	Human
Source	Insect Cells
ProteinLength	1-353 aa
Description	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.
Form	Recombinant hnRNPA2B1-B1 protein is supplied at a concentration of 0.1 ug/ul in 25 mM HEPES pH 7.5, 500mM NaCl, 5% glycerol, 0.04% TritonX-100, 0.2 mM TCEP.

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Molecular Mass	38.4 kDa
Purity	> 90%
Applications	Recombinant hnRNP A2/B1 protein is suitable for use in evaluation of protein-protein interactions and RNA binding assays. Activity Assay Details: 75 pmol biotinylated m6A ssDNA oligos (5'-GTTGCCTGTTCTGTTGG/m6A/ CTTGCCTGT-3') were incubated with hnRNP A2/B1 protein in binding buffer including 25 mM Tris-HCl pH 7.4, 150 mM NaCl, 5% glycerol, 0.1% Triton X-100 for 3 hr at 4 centigrade. The DNA-hnRNP A2/B1 compounds were incubated with streptavidin beads for 1 hr at 4 centigrade and pull-down complexes were run on SDS-PAGE gel, stained with Coomassie Blue. Biotinylated, unmethylated ssDNA oligos used as a negative control.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Concentration	0.1 µg/µL

GENE INFORMATION

Gene Name	HNRNPA2B1 heterogeneous nuclear ribonucleoprotein A2/B1 [Homo sapiens (human)]
Official Symbol	HNRNPA2B1
Synonyms	HNRNPA2B1; heterogeneous nuclear ribonucleoprotein A2/B1; HNRPA2B1; heterogeneous nuclear ribonucleoproteins A2/B1; hnRNP A2 / hnRNP B1; nuclear ribonucleoprotein particle A2 protein; RNPA2; HNRPA2; HNRPB1; SNRPB1; HNRNPA2; HNRNPB1; FLJ22720; DKFZp779B0244

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Gene ID 3181

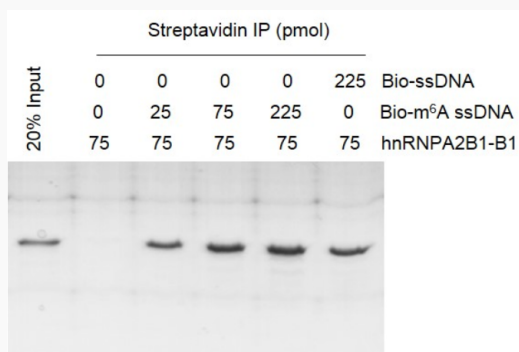
mRNA Refseq NM_031243

Protein Refseq NP_112533

MIM 600124

UniProt ID P22626

Activity

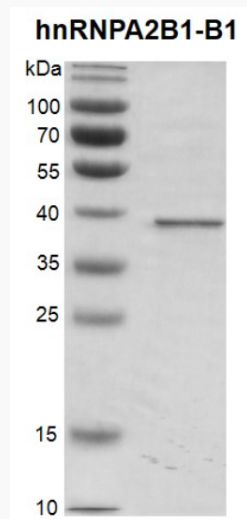


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SDS-PAGE



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