

Recombinant Full Length Human PTBP1 Protein, C-Flag-tagged

Cat. No. PTBP1-530HFL Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human PTBP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.

Species

Human

Source

Mammalian Cells

Description

This gene belongs to the 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 four repeats of quasi-RNA recognition motif (RRM) domains that bind RNAs. This protein binds to the intronic polypyrimidine tracts that requires pre-mRNA splicing and acts via the protein degradation ubiquitin-proteasome pathway. It may also promote the binding of U2 snRNP to pre-mRNAs. This protein is localized in the nucleoplasm and it is also detected in the perinucleolar structure. Alternatively spliced transcript variants encoding different isoforms have been described.

Form

25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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Molecular Mass	59.5 kDa
AA Sequence	<p>MDGIVPDIAVGTKRGSDELFTSTCVTNGPFIMSSNSASAANGNDSKKFKGDSRSAGV PSRVIHIRKLPIDV TEGEVISLGLPFGKVNTLLMLKGKNQAFIEMNTEEAANTMVNYY TSVTPVLRGQPIYIQFSNHKELKTDS SPNQARAQAALQAVNSVQSGNLALAASAAA VDAGMAMAGQSPVLRRIIVENLFYPVTLVDVLHQIFSKFGTV LKIITFTKNNQFQALLQYA DPVSAQHAKLSLDGQNIYNACCTLRIDFSKLTSLNVKYNNDKSRDYTRPDL PSGDS QPSLDQTMAAAFGAPGIISASPYAGAGFPPTFAIPQAAGLSVPNVHGALAPLAIPSAA AAAAAAG RIAIPGLAGAGNSVLLVSNLNPVTPQSLFILFGVYGDVQRVKILFNKKE NALVQMADGNQAQLAMSHL NGHKLHGKPIRITLSKHQNVQLPREGQEDQGLTKDY GNSPLHRFKKPGSKNFQNIFFPSATLHLSNIPPS VSEEDLKVLFSSNGGVVKGFKFF QKDRKMALIQMGSVEEAVQALIDLHNHDLGENHHLRVSFASKSTITRTRPLEQKLISEE DLAANDILDYKDDDDKV</p>
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

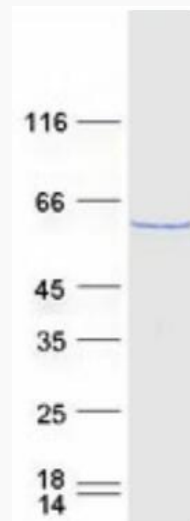
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GENE INFORMATION

Gene Name	PTBP1 polypyrimidine tract binding protein 1 [Homo sapiens (human)]
Official Symbol	PTBP1
Synonyms	PTB; PTB2; PTB3; PTB4; pPTB; HNRPI; PTB-1; PTB-T; HNRNPI; HNRNP-I
Gene ID	5725
mRNA Refseq	NM_002819.5
Protein Refseq	NP_002810.1
MIM	600693
UniProt ID	P26599



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Coomassie blue staining of purified PTBP1 protein.

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