

Product datasheet for TP317785

PTBP1 (NM_031990) Human Recombinant Protein

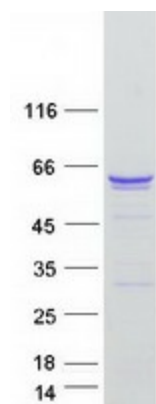
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human polypyrimidine tract binding protein 1 (PTBP1), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217785 representing NM_031990 Red=Cloning site Green=Tags(s)
	<p>MDGIVPDIAVGTRKGSDELFCVTNGPFIMSSNSASAANGNDSKKFKGDSRSAGVPSRVIIHIRKLPIDV TEGEVISLGLPFGKVTNLLMLKGNQAFIEMNTEEAANTMVNYTSTVTPVLRGQPIYIQFSNHKELKTDS SPNQARAQALQAVNSVQSGNLALAASAAVDAGMAMAGQSPVLRRIIVENLFYPVTLVDLHQIFSFKGTV LKIIITFTKNNQFQALLQYADPVSAQHAKLSLDGQNIYNACCTLRIDFSKLTSLNVKYNNDKSRDYTRPDL PSGDSQPSLDQTMAAAFASPYAGAGFPPTFAIPQAAGLSVPNVHGALAPLAIPSAAGRIAPGL AGAGNSVLLVSNLNPVTPQSLFILFGVYGDVQRVKILFNKKNALVQMADGNQAQLAMSHLNGHKLHG KPIRITLSKHQNVQLPREGQEDQGLTKDYGN SPLHRFKKPGSKNFQNIFFPSATLHLSNIPPSVSEEDLK VLFSSNGGVVKGFQKDRKMALIQMGVVEAVQALIDLHNHDLGENHHLRVFSKSTI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	58.9 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
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.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_114367
Locus ID:	5725
UniProt ID:	P26599
RefSeq Size:	3300
Cytogenetics:	19p13.3
RefSeq ORF:	1650
Synonyms:	HNRNP-I; HNRNPI; HNRPI; pPTB; PTB; PTB-1; PTB-T; PTB2; PTB3; PTB4
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome

Product images:

Coomassie blue staining of purified PTBP1 protein (Cat# TP317785). The protein was produced from HEK293T cells transfected with PTBP1 cDNA clone (Cat# [RC217785]) using MegaTran 2.0 (Cat# [TT210002]).