

Product datasheet for PH301779

PTBP1 (NM_002819) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PTBP1 MS Standard C13 and N15-labeled recombinant protein (NP_002810)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201779
Predicted MW:	59.6 kDa
Protein Sequence:	>RC201779 protein sequence Red=Cloning site Green=Tags(s)

MDGIVPDI AVGTRKGSDEL FSTCVTNGPFIMSSNSASAANGNDSKFKGDSRSAGVPSRVHIRKLPIDV
TEGEVISLGLPFGKVTNLLMLKGKNQAFIEMNTEEAANTMVNYT SVTPVLRGQPIYIQFSNHKELKTD
SPNQARAQAALQAVNSVQSGNLALAASAAVDAGMAMAGQSPVLR IIVENLFYPVTL DVLHQIFSKFGTV
LKIITFTKNNQFQALLQYADPVSAQHAKLSLDGQNIYNACCTLRIDF SKL TSLNVKYNNDKSRDYTRPDL
PSGDSQPSLDQTMAAAF GAPGII SASPYAGAGFPPTFAIPQAAGLSVPNVHGALAPLAIPSA AAAAAAAG
RIAIPGLAGAGNSVLLVSNLNPVTPQSLFILFGVYGDVQRVKILFNKKENALVQMDGNQAQLAMSHL
NGHKLHGKPIRITLSKHQNVQLPREGQEDQGLTKDYGNSPLHRFKKPGSKNFQNI FPPSATLHLSNIPPS
VSEEDLKVLFSSNGGVVKGFKFKQDKRMALIQMGVVEEAVQALIDLHNHDLGENHHLRVSF SKSTI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002810</u>
RefSeq Size:	3340
RefSeq ORF:	1671



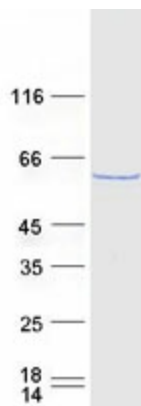
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Synonyms: HNRNP-I; HNRNPI; HNRPI; pPTB; PTB; PTB-1; PTB-T; PTB2; PTB3; PTB4
Locus ID: 5725
UniProt ID: [P26599](#)
Cytogenetics: 19p13.3

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# [TP301779]). The protein was produced from HEK293T cells transfected with PTBP1 cDNA clone (Cat# [RC201779]) using MegaTran 2.0 (Cat# [TT210002]).