

## Product datasheet for **TP301779M**

### **PTBP1 (NM\_002819) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human polypyrimidine tract binding protein 1 (PTBP1), transcript variant 1, 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201779 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MDGIVPDIAVGTKRGSDELFCVTNGPFIMSSNSASAANGNDSKKFKGDSRSAGVPSRVIHIRKLPIDV  
TEGEVISLGLPFGKVTNLLMLKGKNQAFIEMNTEEAANTMVNYYSVTPVLRGQPIYIQFSNHKELKTDS  
SPNQARAQAALQAVNSVQSGNLALAASAAAVDAGMAMAGQSPVLRIVENLFYPVTLDLVHQLFSKFGTV  
LKIIITFTKNNQFQALLQYADPVSAQHAKLSLDGQNIYNACCTLRIDFSKLTSLNVKYNNDKSRDYTRPDL  
PSGDSQPSLDQTMAAAFGAPGIISASPYAGAGFPPTFAIPQAAGLSVPNVHGALAPLAIPSAIAIAAAG  
RIAIPGLAGAGNSVLLVSNLNPVTPQSLFILEGVYGDVQRVKILFNKKNALVQMADGNQAQLAMSHL  
NGHKLHGKPIRITLSKHQNVQLPREGQEDQGLTKDYGNSPLHRFKKPGSKNFQNIFFPSATLHLSNIPPS  
VSEEDLKVLFSSNGGVKGFQKDRKMALIQMGSVEEAVQALIDLHNHDLGENHHLRVSFSTI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 59.5 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.

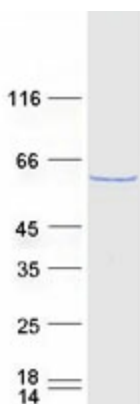
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002810</a>
<b>Locus ID:</b>	5725
<b>UniProt ID:</b>	<a href="#">P26599</a>
<b>RefSeq Size:</b>	3340
<b>Cytogenetics:</b>	19p13.3
<b>RefSeq ORF:</b>	1671
<b>Synonyms:</b>	HNRNP-I; HNRNPI; HNRPI; pPTB; PTB; PTB-1; PTB-T; PTB2; PTB3; PTB4
<b>Summary:</b>	<p>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]</p>
<b>Protein Families:</b>	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]).