

## Product datasheet for **RC201779**

### **PTBP1 (NM\_002819) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PTBP1 (NM_002819) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PTBP1
Synonyms:	HNRNP-I; HNRNPI; HNRPI; pPTB; PTB; PTB-1; PTB-T; PTB2; PTB3; PTB4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC201779 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACGGCATTGTCCCAGATATAGCCGTTGGTACAAAGCGGGATCTGACGAGCTTTCTCTACTTGTG  
 TCACTAACGGACCGTTTATCATGAGCAGCAACTCGGCTTCTGCAGCAAACGGAAAATGACAGCAAGAAGTT  
 CAAAGGTGACAGCCGAAGTGCAGGCGTCCCTCTAGAGTGATCCACATCCGGAAGCTCCCATCGACGTC  
 ACGGAGGGGAAGTCATCTCCCTGGGGCTGCCCTTGGGAAGGTCACCAACCTCCTGATGCTGAAGGGGA  
 AAAACCAGGCCTTCATCGAGATGAACACGGAGGAGGCTGCCAACACCATGGTGAACACTACACCTCGGT  
 GACCCCTGTGCTGCGCGGCCAGCCATCTACATCCAGTTCTCAACCACAAGGAGCTGAAGACCGACAGC  
 TCTCCAACCAGGCGGGCCAGGCGGCCCTGCAGGCGGTGAACCGTCCAGTCGGGAACTGGCCT  
 TGGCTGCCTCGGCGGCGCCGTGGACGCAGGGATGGCGATGGCCGGCAGAGCCCGTCTCAGGATCAT  
 CGTGGAGAACCTTTCTACCCTGTGACCCTGGATGTGCTGCACCAGATTTCTCCAAGTTCGGCACAGTG  
 TTGAAGATCATACCTTCAACAAGAACAACAGTTCAGGCCCTGCTGCAGTATGCGGACCCCGTGAGCG  
 CCCAGCACGCAAGCTGTCGCTGGACGGCAGAACATCTACAACGCTGCTGCACGCTGCGCATCGACTT  
 TTCCAAGCTACACGCTCAACGTCAAGTACAACAATGACAAGAGCCGTGACTACACACGCCAGACCTG  
 CCTTCCGGGGACAGCCAGCCCTCGCTGGACCAGACCATGGCCGCGGCCTTCGGTGCACCTGGTATAATCT  
 CAGCCTCTCCGTATGCAGGAGCTGGTTTCCCTCCCACCTTTGCCATTCTCAAGTGCAGGCCTTCCGT  
 TCCGAACGTCCACGGCGCCCTGGCCCCCTGGCCATCCCTCGGCGGCGGCGGACGCTGCGGCGGACGTT  
 CGGATCGCCATCCCGGGCCTGGCGGGGAGGAAATCTGTATTGCTGGTCAACAACCTCAACCCAGAGA  
 GAGTCAACACCCAAAGCCTCTTTATTCTTTTCGGCGTCTACGGTGACGTGCAGCGCGTGAAGATCCTGTT  
 CAATAAGAAGGAGAACGCCCTAGTGCAGATGGCCGACGGCAACCAGGCCAGCTGGCCATGAGCCACCTG  
 AACGGGCAACAAGCTGCACGGGAAGCCATCCGCATCACGCTCTCGAAGCACGAACTGACGCTGCCCC  
 GCGAGGGCCAGGAGGACCAGGCCTGACCAAGGACTACGGCAACTCACCCCTGCACCGCTTCAAGAAGCC  
 GGGCTCCAAGAATTCCAGAACAATCCCGCCCTCGGCCACGCTGCACCTCTCCAACATCCCGCCCTCA  
 GTCTCCGAGGAGGATCTCAAGTCTGTTTTCCAGCAATGGGGCGTCTGCAAAGGATCAAGTCTTCC  
 AGAAGGACCGAAGATGGCACTGATCCAGATGGGCTCCGTGGAGGAGGCGGTCCAGGCCCTCATTGACCT  
 GCACAACCAGACCTCGGGGAGAACCACCTGCGGGTCTCCTTCTCCAAGTCCACCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC201779 protein sequence  
 Red=Cloning site Green=Tags(s)

MDGIVPDI AVGTRKRSDEL FSTCVTNGPFIMSSNSASAANGNDSKFKGDSRSAGVPSRVIHRLKLPIDV  
 TEGEVISLGLPFGKVTNLLMLKGNQAFIEMNTEEAANTMVNYT SVTPVLRGQPIYIQFSNHKELKTDS  
 SPNQARAQAALQAVNSVQSGNLALAAASAAVDAGMAMAGQSPVLRRIIVENLFYPVTL DVLHQIFSKFGTV  
 LKIITFTKNNQFQALLQYADPVS AQHAKLSLDGQNIYNACCTLRIDF SKL TSLNVKYNNDKSRDYTRPDL  
 PSGDSQPSLDQTMAAF GAPGII SASPYAGAGFPPTFAIPQAAGLSVPNVHGALAPLAIPSA AAAAAAAG  
 RIAIPGLAGAGNSVLLVSNLNPERVTPQSLFILFGVYGDVQRVKILFNKKENALVQMDGNQAQLAMSHL  
 NGHKLHGKPIRITLSKHQNVQLPREGQEDQGLTKDYGNSPLHRFKKPGSKNFQNI FPPSATLHLSNIPPS  
 VSEEDLKVLFSSNGGVKGFKFFQKDRKMALIQMGSVEEAVQALIDLHNHDLGENHHLRVFSKSTI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6084\\_h06.zip](https://cdn.origene.com/chromatograms/mk6084_h06.zip)

**Restriction Sites:**

Sgfl-MluI



UniProt ID: [P26599](#)

Cytogenetics: 19p13.3

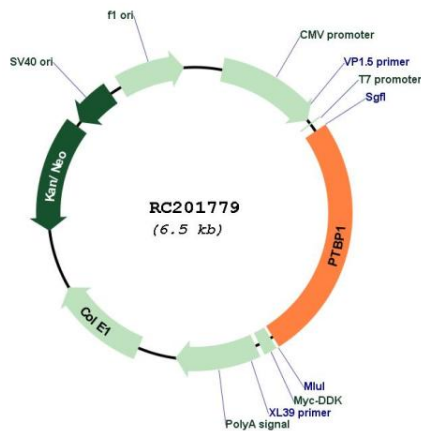
Domains: RRM

Protein Families: Druggable Genome

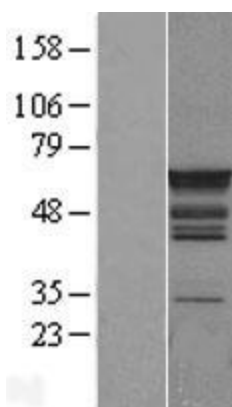
MW: 59.6 kDa

**Gene 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]

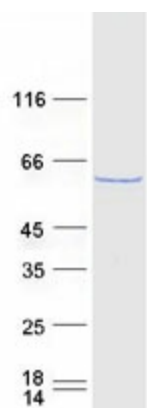
**Product images:**



Circular map for RC201779



Western blot validation of overexpression lysate (Cat# [LY419090]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201779 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).