

## Product datasheet for **RR216906**

### **Ptbp1 (NM\_001271057) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptbp1 (NM_001271057) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptbp1
Synonyms:	Ptb; PTB1; Pybp; Pybp1; Pybp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR216906 representing NM\_001271057  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACGGCATCGTCCCAGACATAGCAGTCGGTACAAAGCGGGATCCGACGAGCTTCTCCACGTGTG  
 TCAGCAACGGCCCTTCATCATGAGCAGCTCGGCCTCAGCAGCCAACGGAATGATAGCAAGAAGTTCAA  
 AGGTGATAACAGGAGCACAGGAGTTCCTTCCAGAGTCATCCATGTCCGAAAGCTACCTAGTGATGCACT  
 GAGGGCGAGGTCACTCCCTGGGGCTGCCCTTTGGGAAAGTTACCAACCTCCTTATGCTGAAGGGGAAGA  
 ACCAGGCCTTCATTGAAATGAGCACAGAGGAGGCTGCCAACACTATGGTTAACTACTACACATCGGTGGC  
 GCCAGTGTTCGTGGACAGCCATCTACATCCAGTTCTCCAACCACAAGGAGCTCAAACCGACAGCTCG  
 CCCAACAGGCACGTGCCAGGCAGCCCTGCAGGCTGTGAACTCCGTACAGTCAGGAAACCTGGCCTTGG  
 CAGCCTCTGCTGCTGCCGTGGATGCAGGAATGGCAATGGCAGGCCAGAGCCAGTGTCTCAGGATCATTGT  
 GGAGAACCTTTTCTACCCAGTGACTGGACGTGTGCACCAGATCTTCTCGAAGTTTGGCACAGTCTGT  
 AAGATCATCACGTTACCAAGAACAACCAAGTTCAGGGCGCTGCTGCAATGCTGACCCTGTGAGCGCCC  
 AGCATGCCAAGCTGTCCCTGGATGGCCAGAATCTACAATGCCTGCTGCACGCTGCGCATCGACTTCTC  
 CAAGCTCACAGTCTCAACGTCAAATACAACAACGACAAGAGCCGAGACTACACACGCCCTGACCTGCC  
 TCTGGAGACAGCCAGCCATCACTGGATCAGACCATGGCAGCAGCCTTTGGTGGCCCGGCATAATGTCAG  
 CCTCTCCGATGACAGGAGCCGGTTCCCTCCCACCTTTGCCATCCCTCAGGCCGAGGCCTCTCTGTTCC  
 TAATGTCCATGGAGCCCTGGCACCCCTGGCCATACCCTCTGCTGCTGCTGCTGCTGCTGCAGCCGGCCG  
 ATTGCCATCCCAGGCTGGCAGGCCCGGGAATCCGTCCTTTTGGTCACTTGAACCTGAGAGAG  
 TCACACCCAAAGCCTCTTTATTCTCTTCGGCTCTACGGTGTGTCAGCGGGTGAAGATCCTGTCAA  
 CAAGAAGGAGAACGCACCTTGTCAGATGGCAGAGCCAGCCAGCTGGCCATGAGCCACCTGAAC  
 GGGCACAAGCTGCATGGGAAGTCAAGTGCATCACCTGTCAAAGCACCAGAGTGTGCAGCTGCCTCGTG  
 AGGGACAGGAGGACCAGGCCTGACCAAGGACTATGGCAGCTCACCGCTGCACCGCTTCAAGAACTGG  
 CTCCAAGAACTTTCAGAACATCTTCTCCCTCAGCTACCCTGCACCTCTCCAACATCCCGCCCTGTG  
 TCAGAGGATGACCTCAAGAGCCTCTTCTCCAGCAATGGCGGTGTGGTCAAAGGCTTCAAGTTCTCCAGA  
 AGGACCGCAAGATGGCACTGATCCAGATGGGCTCTGTGGAGGAGGAGTGCAGGCACTAATTGAGCTGCA  
 CAACCATGACCTGGGCGAGAACCACCACCTGCGAGTGTCTTTTCCAAGTCCACCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216906 representing NM\_001271057  
 Red=Cloning site Green=Tags(s)

MDGIVPDI AVGTKRGSDEL FSTCVSNPFI MSSASAANGNDSKFKGDNRSTGVPSRVIHVRKLPSDVT  
 EGEVISLGLPFGKVTNLLMLKGNQAFIEMSTEEAANTMVNYTTSVAPVLRGQPIYIQFSNHKELKTSS  
 PNQARAQAALQAVNSVQSGNLALAASAAVDAGMAMAGQSPVLRRIIVENLFYPTLDVLHQIFSKFGTVL  
 KIIITFTKNNQFQALLQYADPVSAQHAKLSLDGQNIYNACCTLRIDFSKLTSLNVKYNNDKSRDYTRPDL  
 SGDSQPSLDQTMAAAFGAPGIMSASPYAGAFPPTFAIPQAAGLSVPNVHGALAPLAIPSAAAAAAAAAAGR  
 IAIPLGAGNSVLLVSNLNPERVTPQSLFILFGVYGDVQRVKILFNKKENALVQMDGSQAQLAMSHLN  
 GHKLGKSVRITLSKHQSVQLPREGQEDQGLTKDYGSSPLHRFKKPGSKNFQNIFFPPSATLHLSNIPPSV  
 SEDDLKSLFSSNGGVVKGKFFQKDRKMALIQMGSVEEAVQALIELHNHDLGENHHLRVFSKSTI

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001271057

ORF Size: 1668 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM\\_001271057.1](#), [NP\\_001257986.1](#)

RefSeq Size: 2905 bp

RefSeq ORF: 1671 bp

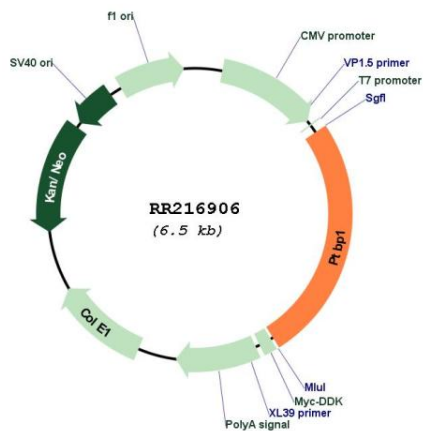
Locus ID: 29497

Cytogenetics: 7q11

**MW:** 59.4 kDa

**Gene Summary:** DNA binding protein; involved in the negative regulation of alternative splicing [RGD, Feb 2006]

**Product images:**



Circular map for RR216906