

Product datasheet for **RR214589**

Ptbp1 (NM_022516) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptbp1 (NM_022516) 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:

>RR214589 representing NM_022516
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGGCATCGTCCCAGACATAGCAGTCGGTACAAAGCGGGATCCGACGAGCTTCTCCACGTGTG
 TCAGCAACGGCCCTTCATCATGAGCAGCTCGGCCTCAGCAGCCAACGGAATGATAGCAAGAAGTTCAA
 AGGTGATAACAGGAGCACAGGAGTTCCTTCCAGAGTCATCCATGTCCGAAAGCTACCTAGTGATGCACT
 GAGGGCGAGGTACCTCCCTGGGGCTGCCCTTTGGGAAAGTTACCAACCTCCTTATGCTGAAGGGGAAGA
 ACCAGGCCTTCATTGAAATGAGCACAGAGGAGGCTGCCAACACTATGGTTAACTACTACACATCGGTGGC
 GCCAGTGTTCGTGGACAGCCATCTACATCCAGTTCCTCAACCACAAGGAGCTCAAACCGACAGCTCG
 CCCAACAGGCACGTGCCAGGCAGCCCTGCAGGCTGTGAACTCCGTACAGTCAGGAAACCTGGCCTTGG
 CAGCCTCTGCTGCTGCCGTGGATGCAGGAATGGCAATGGCAGGCCAGAGCCAGTGTCTCAGGATCATTGT
 GGAGAACCTTTTCTACCCAGTGACTGGACGTGTGCACCAGATCTTCTCGAAGTTTGGCACAGTCTGT
 AAGATCATCACGTTACCAAGAACAACAGTTCAGGGCGCTGCTGCAATGCTGACCCTGTGAGCGCCC
 AGCATGCCAAGCTGTCCCTGGATGGCCAGAATCTACAATGCCTGCTGCACGCTGCGCATCGACTTCTC
 CAAGCTCACAGTCTCAACGTCAAATACAACAAGCACAAGAGCCGAGACTACACAGCCCTGACCTGCC
 TCTGGAGACAGCCAGCCATCACTGGATCAGACCATGGCAGCAGCCTTTGGCCTCTCTGTTCTAATGTCC
 ATGGAGCCCTGGCACCCCTGGCCATACCCTCTGCTGCTGCTGCTGCTGCTGCAGCCGGCCGATTGCCAT
 CCCAGGGCTGGCAGGCGCCGGAATTCGTCCTTTTGGTCAGCAACTGAACCTGAGAGAGTACACCC
 CAAAGCCTCTTTATTCTCTTCGGCGTCTACGGTGTGTCAGCGGGTGAAGATCCTGTTCAACAAGAAGG
 AGAACGCACTTGTGAGATGGCAGACGGCAGCCAGGCCAGTGGCCATGAGCCACTGAACGGGCACAA
 GCTGCATGGGAAGTCAGTGCATCACCTGTCAAAGCACCAGAGTGTGCACTGCTCGTGAGGGACAG
 GAGGACCAGGGCCTGACCAAGGACTATGGCAGCTCACCGCTGCACCGCTTCAAGAAACCTGGCTCCAAGA
 ACTTTCAGAACATCTTCTCCCTCAGCTACCCTGCACCTCTCCAACATCCCGCCCTCTGTGTCAGAGGA
 TGACCTCAAGAGCCTCTTCTCCAGCAATGGCGGTGTGGTCAAAGGCTTCAAGTCTTCCAGAAGGACCGC
 AAGATGGCACTGATCCAGATGGGCTCTGTGGAGGAGGAGTGCAGGCACTAATTGAGCTGCACAACCATG
 ACCTGGGCGAGAACCACCTGCGAGTGTCTTTTCCAAGTCCACCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214589 representing NM_022516
 Red=Cloning site Green=Tags(s)

MDGIVPDIAVGTRKRSDELFTSTCVSNPFISSSASAANGNDSKKFKGDNRSTGVPSRVIHVRKLPDVT
 EGEVISLGLPFGKVTNLLMLKGKNQAFIEMSTEEAANTMVNYYSVAPVLRGQPIYIQFSNHKELKDSS
 PNQARAQAALQAVNSVQSGNLALAASAAVDAGMAMAGQSPVLRRIIVENLFYPTLDVLRHQIFSKFGTVL
 KIIITFTKNNQFQALLQYADPVSAQHAKLSLDGQNIYNACCTLRIDFSKLTSLNVKYNNDKSRDYTRPDL
 SGDSQPSLDQTMAAAFGLSVPNVHGLAPLAIPSAAGGRIAPGLAGAGNSVLLVSNLNERVTP
 QSLFILFGVYGDVQVRKILFNKKENALVQADGSQAQLAMSHLNHKLHGKSVRITLSKHQSVQLPREGQ
 EDQGLTKDYGSSPLHRFKKPGSKNFQNIFFPSATLHLSNIPPSVSEDDLKSLFSSNGGVVKGFKFFQKDR
 KMALIQMGSVEEAVQALIELHNHDLGENHHLRVFSKSTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1837_h05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_022516

ORF Size: 1590 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

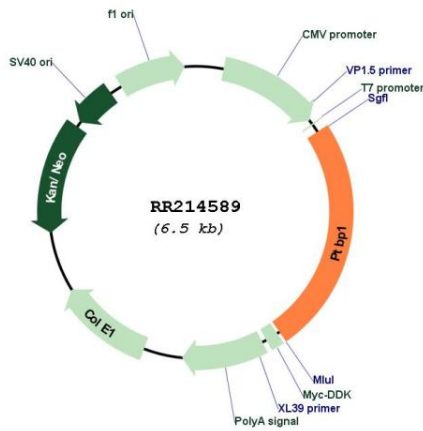
Reconstitution Method:

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_022516.5](#), [NP_071961.2](#)

RefSeq Size:	2723 bp
RefSeq ORF:	1593 bp
Locus ID:	29497
Cytogenetics:	7q11
MW:	57.4 kDa
Gene Summary:	DNA binding protein; involved in the negative regulation of alternative splicing [RGD, Feb 2006]

Product images:



Circular map for RR214589