

Product datasheet for **RN214589**

Ptbp1 (NM_022516) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptbp1 (NM_022516) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptbp1
Synonyms:	Ptb; PTB1; Pybp; Pybp1; Pybp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214589 representing NM_022516
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGGCATCGTCCCAGACATAGCAGTCGGTACAAAGCGGGATCCGACGAGCTTCTCCACGTGTG
 TCAGCAACGGCCCTTCATCATGAGCAGCTCGGCCTCAGCAGCCAACGGAATGATAGCAAGAAGTTCAA
 AGGTGATAACAGGAGCACAGGAGTTCCTTCCAGAGTCATCCATGTCCGAAAGCTACCTAGTGATGCACT
 GAGGGCGAGGTCACTCCCTGGGGCTGCCCTTTGGGAAAGTTACCAACCTCCTTATGCTGAAGGGGAAGA
 ACCAGGCCTTCATTGAAATGAGCACAGAGGAGGCTGCCAACACTATGGTTAACTACTACACATCGGTGGC
 GCCAGTGCTTCGTGGACAGCCATCTACATCCAGTTCCTCAACCACAAGGAGCTCAAACCGACAGCTCG
 CCCAACAGGCACGTGCCAGGCAGCCCTGCAGGCTGTGAACTCCGTACAGTCAGGAAACCTGGCCTTGG
 CAGCCTCTGCTGCTGCCGTGGATGCAGGAATGGCAATGGCAGGCCAGAGCCAGTGTCTCAGGATCATTGT
 GGAGAACCTTTTCTACCCAGTGACTGGACGTGCTGCACCAGATCTTCTCGAAGTTTGGCACAGTCTGT
 AAGATCATCACGTTACCAAGAACAACAGTTCAGGGCGCTGCTGCAGTATGCTGACCCTGTGAGCGCCC
 AGCATGCCAAGCTGTCCCTGGATGGCCAGAACATCTACAATGCCTGCTGCACGCTGCGCATCGACTTCTC
 CAAGCTCACAGTCTCAACGTCAAATACAACAACGACAAGAGCCGAGACTACACACGCCCTGACCTGCC
 TCTGGAGACAGCCAGCCATCACTGGATCAGACCATGGCAGCAGCCTTTGGCCTCTCTGTTCTAATGTCC
 ATGGAGCCCTGGCACCCCTGGCCATACCCTCTGCTGCTGCTGCTGCTGCTGCAGCCGGCCGATTGCCAT
 CCCAGGGCTGGCAGGCGCCGGGAATTCGGTCTTTTGGTCAGCAACTGAACCTGAGAGAGTCACACCC
 CAAAGCCTCTTTATTCTCTTCGGCGTCTACGGTGATGTGCAGCGGGTGAAGATCCTGTTCAACAAGAAGG
 AGAACGCACCTTGTGCAGATGGCAGACGGCAGCCAGCCAGCTGGCCATGAGCCACCTGAACGGGACAA
 GCTGCATGGGAAGTCAGTGGCATCACCTGTCAAAGCACAGAGTGTGCAGCTGCCTCGTGAGGGACAG
 GAGGACCAGGGCCTGACCAAGGACTATGGCAGCTCACCGTGCACCGCTTCAAGAAACCTGGCTCCAAGA
 ACTTTCAGAACATCTTCTCCCTCAGCTACCCTGCACCTCTCCAACATCCCGCCCTCTGTGTCAGAGGA
 TGACCTCAAGAGCCTCTTCTCCAGCAATGGCGGTGTGGTCAAAGGCTTCAAGTCTTCCAGAAGGACCGC
 AAGATGGCACTGATCCAGATGGGCTCTGTGGAGGAGGAGTGCAGGCACTAATTGAGCTGCACAACCATG
 ACCTGGGCGAGAACCACCACCTGCGAGTGTCTTTTCCAAGTCCACCAT**CTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_022516

Insert Size: 1593 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](#)

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:	<ol style="list-style-type: none">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:	<u>NM_022516.5, NP_071961.2</u>
RefSeq Size:	2827 bp
RefSeq ORF:	1593 bp
Locus ID:	29497
Cytogenetics:	7q11
Gene Summary:	DNA binding protein; involved in the negative regulation of alternative splicing [RGD, Feb 2006] Transcript Variant: This variant (2) lacks a coding exon compared to variant 1. The resulting protein (isoform b) is shorter but has the same N- and C-termini compared to isoform a.