

Product datasheet for **RN201033**

Ptbp2 (NM_001005555) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptbp2 (NM_001005555) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptbp2
Synonyms:	Ptb2; PTBLP; PTBLP-L; PTBLP-S
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201033 representing NM_001005555
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGGAATTGCTCACTGAGGTTGCTGTTGGTGTGAAGAGAGGATCTGACGAGCTACTCTCAGGCAGTG
TTCTCAGTAGTCCCAACTCTAATATGAGTGGCATGGTAGTTACAGCCAATGGTAACGACAGTAAGAAATT
TAAAGGAGAAGATAAGATGGACGGGCGCCCTCTCGTGTCTTACATTGAAAGTTACCTGGTGAAGTG
ACTGAGACCGAAGTAATTGCGTTAGGCTTACCTTTGGTAAGGTGACTAACATCCTTATGCTGAAAGGAA
AGAACCAGGCATTTTGGAACTGGCAACAGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGT
GACACCTCATCTCGTAACCAACCAATTTACATTCAGTACTCCAATCACAAAGAATAAGACAGATAAC
ACATTAACCAACGTGCTCAAGTAGTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAATACACCTCTCA
GTGGCACCACAGTCAGTGAGAGTGCGGTGACTCCAGCTCAGAGTCCAGTGCTTAGAATAATTATTGACAA
TATGTAACCTGTAACACTTGATGTCCTTACCAGAAATTTTTCTAAGTTTGGTGTGATTGAAGATA
ATCACATTTACAAAAACAACCAAGTTTTCAGGCTTTGCTCCAGTATGGTGTCCAGTAAACGCTCAACAGG
CAAAGCTAGCCCTAGATGGTCAAATATTTATAATGCTTGTGCTGTACCCTAAGGATTGATTTTTCCAACT
TGTGAATTTGAATGTAAAATACAACAATGATAAAAGTAGGGATTATACACGACCTGATCTTCCATCTGGA
GACGGCCAGCCTGCATTAGACCCAGCTATTGCTGCAGCATTGCAAGGAGACGTCCTTTTAGCTGTCC
CAGGAGCTCTCAGTCTTTGGCTATTCTAATGCTGTGCGGCAGCTGCTGCCGCTGCCGCTGGCCGAGT
GGGCATGCCTGGAGTCTCAGCTGGTGGCAACACAGTCTGTTGGTTAGCAATTTAAATGAAGAGATGGTT
ACGCCCAAAGTCTGTTACCCTCTTGGTGTGTTATGGCGATGTGCAGCGCGTGAAGATTTGTACAATA
AGAAAGACAGTGTCTGATACAAAATGGCCGATGGGAACCACTCACAGCTTGCCATGAATCATTTAATGG
GCAGAAGATGTATGGAAAAATTATTCGTGTTACTCTCTAAACATCAGACTGTGCAACTACCTCGAGAG
GGACTTGATGATCAAGGGCTAACAAAAGATTTTGGGAATTCACCCTGCACCGTTTTAAAAAACCGGAT
CCAAAACTTTTCAAGAACATTTTCCCTCCTTCTGCAACCCTTACCTGTCCAACATCCCTCCTTCTGTAGC
AGAAGAGGATCTGCGAACTCTGTTTCCCAACACCGGGGCACTGTGAAAGCATTTAAGTTTTTCAAGAT
CACAAAATGGCTCTTCTCAGATGGCAACAGTGGAGGAAGCTATTCAGGCTTTGATTGATCTTCATAATT
ATAACCTTGGTAAAACCATCATCTGAGAGTGTCTTTCTCCAAATCAACAATT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001005555

Insert Size: 1596 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001005555.1](#), [NP_001005555.1](#)

RefSeq Size: 1842 bp

RefSeq ORF: 1596 bp

Locus ID: 310820

UniProt ID: [Q66H20](#)

Cytogenetics: 2q41

Gene Summary: RNA-binding protein which binds to intronic polypyrimidine tracts and mediates negative regulation of exons splicing. May antagonize in a tissue-specific manner the ability of NOVA1 to activate exon selection. In addition to its function in pre-mRNA splicing, plays also a role in the regulation of translation.[UniProtKB/Swiss-Prot Function]