

Product datasheet for **RG202163**

PTBP2 (NM_021190) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PTBP2
Synonyms:	brPTB; nPTB; PTBLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG202163 representing NM_021190
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACGGAATCGTCACTGAGGTTGCAGTTGGCGTGAAGAGAGGATCTGACGAACTACTCTCAGGCAGTG
 TTCTCAGTAGTCCGAACTCTAATATGAGCAGCATGGTAGTTACAGCCAATGGTAATGATAGTAAAAAATT
 TAAAGGAGAAGATAAAATGGATGGTCTCTTCTCGTGTACTTCATATTCGAAAATTACCTGGGGAAGTA
 ACAGAACTGAAGTTATTGCTTTAGGCTTACCTTTGGTAAGGTGACCAACATCCTTATGCTGAAAGGAA
 AAAATCAGGCATTTTGAAGTACGAACCGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGT
 GACACCTCATCTTCGTAACCAACCAATATATCCAGTACTCGAATCACAAGAAGTAAAGACAGATAAT
 ACATTAACCAACGTGCTCAGGCAGTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAACTCCTCTTA
 GTGGCACCACAGTTAGCGAGAGTGACGTGACTCCAGCCAGAGTCCAGTACTTAGAATAATTATTGACAA
 CATGTACTACCCTGTAACACTTGATGTTCTTACCAAAATTTTCTAAGTTTGGTGTGTATTGAAGATA
 ATCACATTTACAAAAATAACCAAGTTTCAAGCTTTGCTCCAGTATGGTGTCCAGTAAATGCTCAACAAG
 CAAAAGTAGCCCTAGATGGTCAGAATATTATAATGCCTGCTGTACCCTAAGGATTGATTTTTCCAACT
 TGTGAATTTGAATGTAAATACAACAATGATAAAAGTAGGGATTATACTCGACCTGATCTTCCATCTGGG
 GATGGACAACCTGCATTGGACCCAGCTATTGCTGCAGCATTGCCAAGGAGACATCCCTCTAGCTGTTT
 CAGGAGCTCTGAGTCTTTGGCCATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGT
 GGGTATGCCTGGAGTCTCAGCTGGTGGCAATACAGTCTGTTGGTTAGCAATTTAAATGAAGAGATGGTT
 ACGCCCCAAAGTCTGTTTACCCTCTTCGGTGTATGGAGATGTGCAGCGTGTGAAGATTTTATACAATA
 AGAAAGACAGCGCTCTAATACAGATGGCTGATGGAACCAATCACAATTGCCATGAATCATCTTAATGG
 ACAGAAAAATGATGAAAAAATTATTGCTGTACTCTGTCTAAACATCAGACTGTACAGCTACCTCGAGAG
 GGACTTGATGATCAAGGGCTAACAAAAGATTTTGGTAATTCCTCCATTGCATCGTTTTAAGAAACCTGGAT
 CCAAAAATTTTCAAACATTTTCTCCTTCTGCCACCCTTACCTATCTAATATCCCTCCATCAGTAGC
 AGAAGAGGATCTACGAACACTGTTCTGCTAACACTGGGGGCACTGTGAAAGCATTTAAGTTTTTCAAAGA
 GATCACAAAATGGCTCTTCTTCAAGTGGCAACAGTGGGAAGAAGCTATTACGGCCTTGATTGATCTTCATA
 ATTATAACCTTGAGAAAAACATCATCTGAGAGTGTCTTTCTCCAAGTCAACAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202163 representing NM_021190
 Red=Cloning site Green=Tags(s)

MDGIVTEVAVGVKRGSDLLSGSVLSSPNSNMSSMVVTANGNDSKKFKGEDKMDGAPSRVLHIRKLPGEV
 TETEVIALGLPFGKVTNMLKGNQAFLELATEEAITMVNYYSVTPHLRNQPIYIQYSNHKELKTDN
 TLNQRAQAVLQAVTAVQTANTPLSGTTVSESATPAQSPVLRRIIDNMYYPVTLDLVLHQIFSKFGAVLKI
 ITFTKNNQFQALLQYGDVPNAQAKLALDQNIYNACCTLRIDFSKLVNLNVKYNNDKSRDYTRPDLPSG
 DGQPALDPAIAAAFAKETSL LAVPGAL SPLAIPNAAAAAAAAAAGRVGMPGVSAAGNTVLLVSNLNEEMV
 TPQSLFTLFGVYGDVQVRVILYNKKDSALIQMADGNQSQLAMNHLNGQKMYGKIIRVTL SKHQTVQLPRE
 GLDDQGLTKDFGNSPLHRFKKPGSKNFQNIFFPSATLHL SNIPPSVAEEDLRTL FANTGGTVKAFKFFQR
 DHKMALLQMATVEEAIQALIDLHNYNLGENHHLRVSF SKSTI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021190

ORF Size: 1596 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

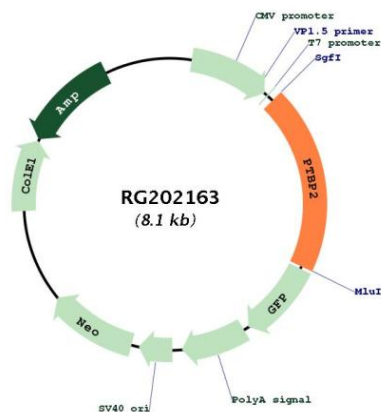
RefSeq: [NM_021190.1](#), [NP_067013.1](#)

RefSeq Size: 3054 bp

RefSeq ORF: 1596 bp
Locus ID: 58155
UniProt ID: [Q9UKA9](#)
Cytogenetics: 1p21.3
Domains: RRM

Gene Summary: The protein encoded by this gene binds to intronic polypyrimidine clusters in pre-mRNA molecules and is implicated in controlling the assembly of other splicing-regulatory proteins. This protein is very similar to the polypyrimidine tract binding protein (PTB) but most of its isoforms are expressed primarily in the brain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG202163