

Product datasheet for **MR208377**

Ptbp3 (NM_178164) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Ptbp3
Synonyms:	5830471K22Rik; AA407443; AI462022; AW107884; C86549; Rod1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR208377 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAACAGCTCGACTTCTGCAGGTGTGTATGCTAATGGGAATGACAACAAGAAATTTAAGGAGATAGAC
 CTCCCTGTTCGCCTTCCCGTGTCTCCATCTTCGAAAAATCCATGTGATGTCACCGAAGCAGAGGTCAT
 ATCATTAGGTCTACCATTTGGCAAAGTAATACTTTTGTGTTGAAAGGAAAAAGCCAGGCTTTTAA
 GAAATGGCTTCTGAAGAAGTGTCTGTACTATGATAAATTATTACACTCCTGTACTCCTCATCTTCGAA
 GTCAGCCTGTTTATATCCAGTATTCGAATCACCAGAACTTAAGACTGACAATCTGCCTAATCAGGCTAG
 AGCCCAAGCTGCACTGCAGGCTGTCAAGTCCAGTCCAGTCAAGAACTTGTCCCTTCTGGAGCTACTGCA
 AATGAAGGCACATTGCTACCTGGGCAGAGCCCTGTGCTCCGATAATTATTGAAAACCTATTTTACCCTG
 TCCTCTGGAAGTCTCCATCAGATATTTTCTAAATTTGGCACGGTGTGAAGATTATCACCTTTACAAA
 GAATAATCAGTTTCAAGCCTTGCTTCAAGTATGCCGACCCAGTGAATGCCAGTATGCCAAAATGGCTCTG
 GATGGCCAGAATATCTACAATGCGTGTGCACTCTCCGTATTGACTTCTCCAAGCTCACCAGCCTTAATG
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 GGCTTTGCCCCAGCCATCGCATTCTCTCAAGCAGCAGGTCTGTCTGTCCAGCTGTTCCCGAGCCCTTG
 GTCCTCTCACACTTACCTCCTCTGCTGTCAAGTGAAGGATGGCCATTCTGCGGCAAGTGGTATGCCTGG
 GAATTCGTCTGTGCTGCTCACCAACCTCAATCCTGACTTTATCACACCACATGGGCTTTTATCCTATTT
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 GGCTACACTGTCCAAACATCAAGCCGTCCAGCTCCCTAGAGAGGGACAGGAAGCAAGGCTGTGACCAAG
 GACTTCAGCAATAGTCCCTGCATCGCTTTAAAAGCCCGGCTCAAAGAATTTCCAAAATATCTTCCCTC
 CATCAGCCACACTTCATCTTCCAACATTCCTCCTTCTGTCAATGGATGACCTGAAGAACCTGTTTAC
 AGAAGCTGGATGCTCAGTGAAGGCTTTAAGTTCTTCCAGAAAGACCGTAAGATGGCTCTCATTCAAGTTG
 GGATCTGTGGAAGAAGCAATCCAGGCTTATTAGGCTTCACAATCATGACCTTGGAGAGAATCACCACC
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 ACAAGGATGACGACGATAAGGTTTAA

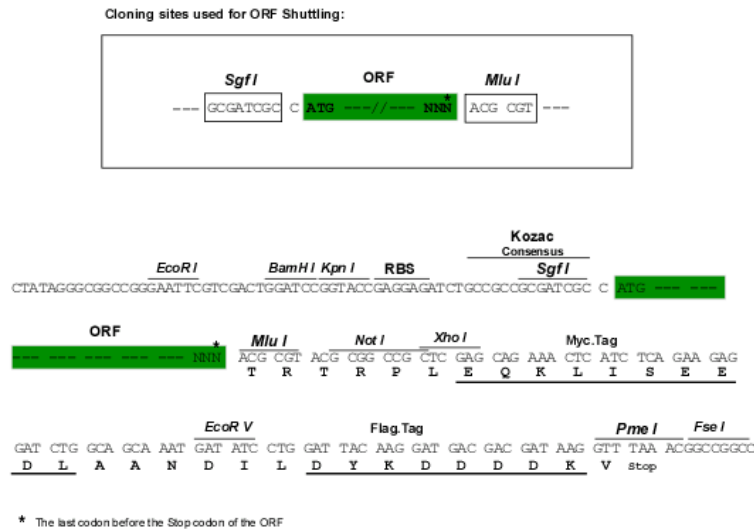
Protein Sequence: >MR208377 protein sequence
 Red=Cloning site Green=Tags(s)

MNSSTSAGVYANGNDNKKFKGDRPPCSPSRVLHLRKIPCDVTEAEVLSLGLPFGKVTNLLMLKGKSQAFL
 EMASEEAAVTMINYYTPVTPHLRSQPVYIYQSNHRELKTDNLPNQARAQAALQAVSAVQSGNLSLPGATA
 NEGTLPLPGQSPVLRRIIENLFYPVTLEVLHQIFSKFGTVLKIIITFKNNQFQALLQYADPVNAQYAKMAL
 DGQNIYNACCTLRIDFSKLTSLNVKYNNDKSRDFTRLDLPDGDGQPSLEPPMAAAGAPGIMSSPYAGAA
 GFAPAIAFPQAAGLSVPAVPGALGPLTLTSSAVSGRMAIPGASGMPGNSVLLVTNLPDFITPHGLFILF
 GYVGDVHRVKIMFNKKENALVQMADASQAQLAMNHL SGQRLYGKVL RATLSKHQAVQLPREGQEDQGLTK
 DFSNSPLHRFKPGSKNFQNIFFPSATLHLSNIPPSVTMDDLKNLFTAGCSVKAFKFFQKDRKMALIQ
 GSVEEAIQALIELHNHDLGENHHLRVFSKSTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178164

ORF Size: 1569 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_178164.3](#)

RefSeq Size: 6855 bp

RefSeq ORF: 1572 bp

Locus ID: 230257

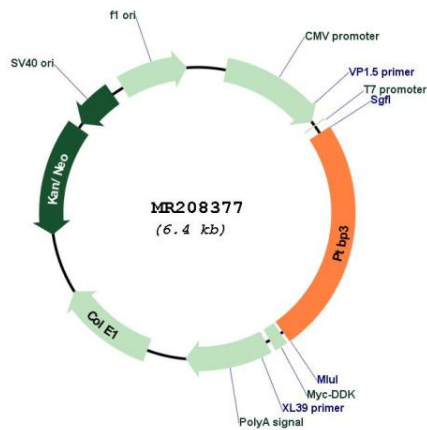
UniProt ID: [Q8BHD7](#)

Cytogenetics: 4 B3

MW: 56.7 kDa

Gene Summary: RNA-binding protein that mediates pre-mRNA alternative splicing regulation. Plays a role in the regulation of cell proliferation, differentiation and migration. Positive regulator of EPO-dependent erythropoiesis. Participates in cell differentiation regulation by repressing tissue-specific exons. Promotes Fas exon 6 skipping. Binds RNA, preferentially to both poly(G) and poly(U) (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208377