

Product datasheet for **MR208328**

Ptbp3 (NM_144904) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptbp3 (NM_144904) Mouse Tagged ORF Clone
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)



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ORF Nucleotide Sequence:

>MR208328 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACAGCTCGACTTCTGCAGCTAATGGGAATGACAACAAGAAATTTAAAGGAGATAGACCTCCCTGTT
 CGCCTTCCCGTGTCTCCATCTTCGAAAAATCCATGTGATGTCACCGAAGCAGAGGTCATATCATTAGG
 TCTACCATTTGGCAAAGTAACTAATCTTTTGATGTTGAAAGGAAAAAGCCAGGCCTTTTATAGAAATGGCT
 TCTGAAGAAGCTGCTGTTACTATGATAAATTATTACACTCTGTTACTCCTCATCTTCGAAGTCAGCCTG
 TTTATATCCAGTATCCAATCACCGAGAAGCTTAAGACTGACAATCTGCCTAATCAGGCTAGAGCCCAAGC
 TGCAGTGCAGGCTGTGAGTGCAGTCCAGTCAGGAACTGTCCCTTCTGGAGCTACTGCAATGAAGGC
 ACATTGCTACCTGGGCAGAGCCCTGTGCTCCGGATAATTATTGAAAACCTATTTTACCCTGTCACCTG
 AAGTTCTCCATCAGATATTTTCTAAATTTGGCAGGCTGTTGAAGATTATCACCTTACAAGAATAATCA
 GTTTCAAGCCTTGCTTCAGTATGCCGACCCAGTGAATGCGCAGTATGCCAAAATGGCTCTGGATGGCCAG
 AATATCTACAATGCGTGTGCACTCTCCGTATTGACTTCTCCAAGCTCACCGCCTAATGTGAAATACA
 ATAATGACAAAAGCAGAGACTTCACTCGCTTAGACCTTCTACTGGTGACGGCCAGCCATCTCTTGAACC
 TCCTATGGCTGTGCTTTTGGTGACCCGGGTATAATGTCTCTCCATATGCAGGGGCTGTGGCTTTGCC
 CCAGCCATCGCATTTCTCAAGCAGCAGGTCTGTCTGTCCAGCTGTTCCCGGAGCCCTTGGTCTCTCA
 CACTTACCTCCTGTGCTGTCAGTGAAGGATGGCCATTCTGGGGCAAGTGGTATGCCTGGGAATTCTGT
 TCTGCTGGTCACCAACCTCAATCCTGACTTTATCACCCACATGGGCTTTTATCCTATTTGGAGTGTAT
 GGTGAGTACATCGAGTGAAGATTATGTTTAAACAAGAAAAGAAAACGCCTTGGTGCAGATGGCCGATGCGA
 GTCAAGCCAGCTAGCAATGAACCACCTAAGTGGTCAGAGGCTCTATGGAAAAGTACTTCCGGCTACACT
 GTCCAAAACATCAAGCCGTCAGCTCCCTAGAGAGGGACAGGAAGACCAAGGCTGACCAAGGACTTCAGC
 AATAGTCCCTGCATCGCTTTAAAAAGCCGGCTCAAAGAATTTCCAAAATATCTTCCCTCCATCAGCCA
 CACTTCATCTTCCAACATTCCTCCTTCTGTACAATGGATGACCTGAAGAACCTGTTTACAGAAGCTGG
 ATGCTCAGTGAAGGCTTTAAGTTCTTCCAGAAAGACCGTAAGATGGCTCTCATTGAGTTGGGATCTGTG
 GAAGAAGCAATCCAGGCTCTTATTGAGCTTCAATCATGACCTTGAGAGAGATCACCACCTCAGAGTTT
 CCTTCTCAAAATCCACCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208328 protein sequence
 Red=Cloning site Green=Tags(s)

MNSSTSAANGNDNKKFKGDRPPCSPSRVLHLRKIPCDVTEAEVISLGLPFGKVTNLLMLKGKSQAFLEMA
 SEEAAVTMINYYPVTPHLRSQPVIYIQYSNHRELKTDNLPNQARAQAALQAVSAVQSGNLSLPGATANEG
 TLLPGQSPVLRRIIENLFYPVTLEVLHQIFSKFGTVLKIITFTKNNQFQALLQYADPVNAQYAKMALDQG
 NIYNACCTLRIDFSKLTSLNVKYNNDKSRDFTRLDLPTGDGQPSLEPPMAAAFAGPGIMSSPYAGAAGFA
 PAIAFPQAAGLSVPAVPGALGPLTLTSSAVSGRMAIPGASGMPGNSVLLVTNLNPDFITPHGLFILFGVY
 GDVHRVKIMFNKKNALVQMADASQAQLAMNHL SGQRL YGKVL RATL SKHQAVQLPREGQEDQGLTKDFS
 NSPLHRFKKPGSKNFQNIFFPSATLHL SNIPPSVTMDDLKNLFT EAGCSVKAFKFFQKDRKMAL IQLGSV
 EEAIQALIELHNHDLGENHHLRVSFSKSTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_144904

ORF Size: 1563 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.

RefSeq: [NM_144904.1](#)

RefSeq Size: 6880 bp

RefSeq ORF: 1656 bp

Locus ID: 230257

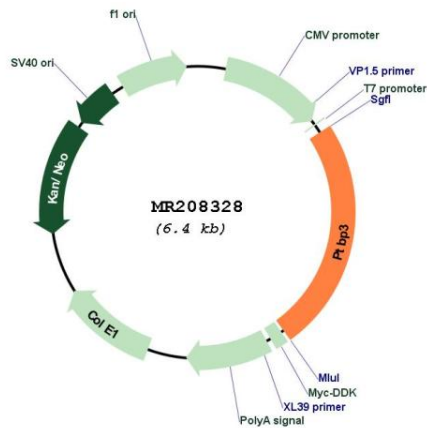
UniProt ID: [Q8BHD7](#)

Cytogenetics: 4 B3

MW: 56.4 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 MR208328