

Product datasheet for RC217930

PTPN20B (PTPN20) (NM_001042359) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTPN20B (PTPN20) (NM_001042359) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PTPN20B
Synonyms:	bA42B19.1; bA142I17.1; CT126; PTPN20A; PTPN20B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217930 representing NM_001042359 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATTGTAAACGATTATGAGGGAAATGACTCTGAAGCAGAAGACTTGAATTCAGGGAGACTTTGCCTT
CATCAAGTCAGGAAAACACACCTAGATCAAAGGTTTTTGGAAAATAAAGTTAATTCAGAGAAGGTA
TTCTCTTCGGAATTTCCACATAATGATTATGAGGATGTTTTTGAAGAGCCTTCAGAAAGTGGCAGT
CCCAGCATGTGGACAGCCAGAGGCCCTTCAGAAGAGACAGGTGGAGCAGTGAGGATGAGGAGGCTGCAG
GGCCATCACAGGCTCTCTCCCTCTACTTCTGATACGCGCAAATTTGTTCTGAAGGAGAACTAGATCA
GTTGGCTCAGATTCGGCCATTAATATTCATGAGCAGACAGCCATCAAGGATTGTTTGGAAATC
CTTGAGGAAAAACAGCAGCGTATGATATCATGCAGGAATTTATGACGGGAACTAGTCACTCTGTA
AGTTGCAGTTCACCAAGTGGCCAGACCATGGCACTCCTGCCTCAGCAGATAGCTTCATAAAATATATTCG
TTATGCAAGGAAGAGCCACCTTACAGGACCCATGGTTGTTCACTGCAGTGCCGGCATAGGCCGGACAGGG
GTGTTCCATGTGTGGATGTCGTGTTCTGTGCCATCGTAAAGAACTGTTCAATCAACATCATGGATATAG
TGGCCAAATGAGAGAACAACGTTCTGGCATGGTTCAAACGAAGGAGCAGTATCACTTTTGTACGATAT
TGTGCTTGAAGTTCTTCGGAAACTCTGACTTTGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC217930 representing NM_001042359
Red=Cloning site Green=Tags(s)

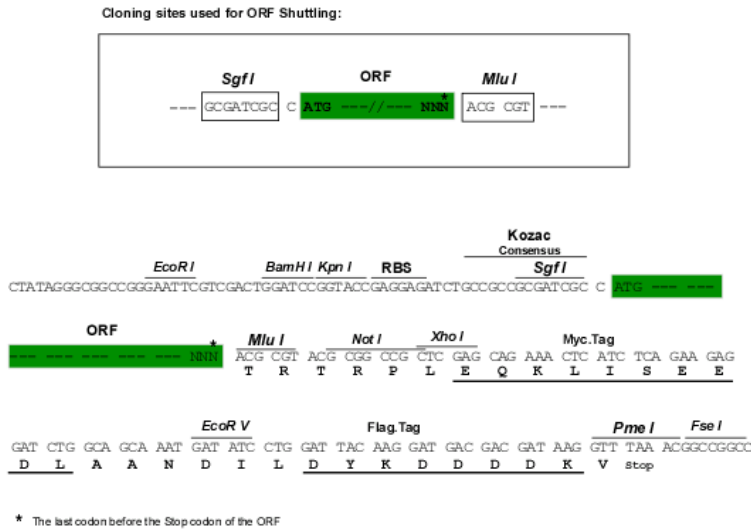
MIVNDYEGNDSEAEDLNFRETLPSSSQENTPRSKVFENKVNSEKVKLSLRNFPHNDYEDVFEESPESGSD
 PSMWTARGPFRDRWSSDEEAAGPSQALSPLLSDTRKIVSEGELDQLAQIRPLIFNFHEQTAIKDCLKI
 LEEKTAAYDIMQEFMTGTSHSVKQLQFTKWPDHGTPASADSF IKYIRYARKSHL TGPVVHCSAGIGRTG
 VFLCVDVVVFC AIVKNCSFNIMDIVAQMREQRSGMVQTKEQYHFCYDIVLEVLRLKLLTLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8048_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042359

ORF Size: 807 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_001042359.3](#)

RefSeq Size: 2444 bp

RefSeq ORF: 810 bp

Locus ID: 26095

UniProt ID: [Q4JDL3](#)

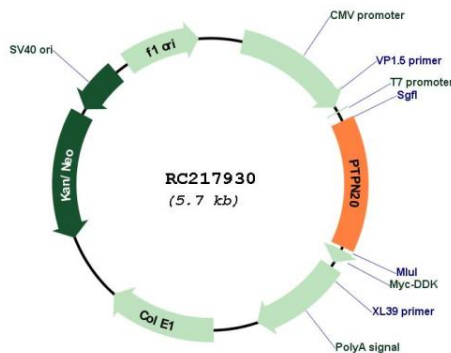
Cytogenetics: 10q11.22

Protein Families: Druggable Genome, Phosphatase

MW: 30.6 kDa

Gene Summary: The product of this gene belongs to the family of classical tyrosine-specific protein tyrosine phosphatases. Many protein tyrosine phosphatases have been shown to regulate fundamental cellular processes. The encoded protein appears to be targeted to sites of actin polymerization. A pseudogene of this gene has been defined on chromosome 10. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RC217930