

## Product datasheet for **SC100920**

### **PTPN20B (PTPN20) (NM\_015605) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PTPN20B (PTPN20) (NM_015605) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTPN20B
Synonyms:	bA42B19.1; bA142I17.1; CT126; PTPN20A; PTPN20B
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015605, the custom clone sequence may differ by one or more nucleotides

```
ATGTCTTCACCTAGGGACTTTAGAGCAGAGCCTGTAAACGATTATGAGGGAAATGACTCTGAAGCAGAAG
ACTTGAATTTTCAGGGAGACTTTGCCTTCATCAAGTCAGGAAAACACACCTAGATCAAAGGTTTTTAAAA
TAAAGTTAATTCAGAGAAGGTAAAACCTTCTCTCGGAATTTCCACATAATGATTATGAGGATGTTTTT
GAAGAGCCTTCAGAAAAGTGGCAGTGATCCAGCATGTGGACAGCCAGAGGCCCTTCAGAAGAGACAGGT
GGAGCAGTGAGGATGAGGAGGCTGCAGGGCCATCACAGGCTCTCTCCCCTCTACTTTCTGATACGCGCAA
AATTGTTTCTGAAGGAGAACTAGATCAGTTGGCTCAGATTCGGCCATTAATTTCAATTTTCATGAGCAG
ACAGCCATCAAGGATTGTTTAAAAATCCTTGAGGAAAAAACAGCAGCGTATGATATCATGCAGGAATTTA
TGGCTTTAGAACTTAAGAATCTGCCTGGTGAGTTCAACTCTGGGAATCAACCAAGCAACAGAGAAAAAAA
TAGATACCGAGATATTCTTCCATTTCAACATCATGGATATAGTGGCCCAATGAGAGAACAACGTTCTGG
CATGGTTCAAACGAAGGAGCAGTATCACTTTTGTACGATATTGTGCTTGA
```



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_015605 unedited  GGTTCACAAATGTATACGACTCACTATAGGCGGCCGCAATTCGGACGAGGCCCAACTGG  CGAGGCTGCTGGGGTTGCAGCGGGACAGTTGGGGCGGCCCGCAGGCCAGGTGAACAAA  AATTGTTTGTGGCCCCCAGGATACTAACTAGACCTTTGGCCTGACTCACAGGACTAA  GGCTCCTTTTCTGAAGAAGCCTTTTACCAGTCTCATTAGGGGATGGGAACAACATGTCT  TCACCTAGGGACTTTAGAGCAGAGCCTGTAACGATTATGAGGGAAATGACTCTGAAGCA  GAAGACTTGAATTCAGGGAGACTTTGCCTTCATCAAGTCAGGAAAACACACCTAGATCA  AAGGTTTTTAAAAATAAAGTTAATTCAGAGAAGTAAAACCTTTCTCTCGGAATTTCCCA  CATAATGATTATGAGGATGTTTTTGAAGAGCCTTCAGAAAAGTGGCAGTGATCCCAGCATG  TGGACAGCCAGAGGCCCTTCAGAAGAGACAGGTGGAGCAGTGAGGATGAGGAGGCTGCA  GGGCCATCACAGGCTCTCTCCCCTACTTTCTGATACGCGCAAATTTGTTTCTGAAGGA  GAACTAGATCAGTTGGCTCAGATTCGGCCATTAATTTCAATTTTTCATGAGCAGACAGCC  ATCAAGGATTGTTTAAAAATCCTTGAGGGAAAAAACAGCAGCGTATGATATCATGCANGA  ATTTATGACCGGAAACTAGTCACCTGTAAAACAGTTGCAGTTCACCAAGTGGCCAGACC  AATGGAATCCTTGCCTAAGCAAGATAGCTTCATAAAATATTATCCGTTATGCAAGGAAG  AGCCACCTTACAAGACCCATGGTGTCTACTGCANTGCCGCTANGCCCCACAGGGGTGT  NCCTATGTGTGATGCGTGTCTGTGCCATCGAAGAAGTTCATTACATCC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_015605 unedited  GTGCTCAGGGCTCCCTTTAATACCCCTGGAAAATAAAATTAGTCCACTGTAAAAATTGA  GGCACACATTAATAAAAAAACTGTTTAAACATCAAGCATTGGGGAATTTTCTTTACAAGA  CGATTTCAAGGCCAGATAAATAAAAAACTTTCAGGCAATACACAGTAAATATTTTATTT  TAATAATAGCATAAAAATCTTCTGAAAAAATTGTTATACATTATAGCTATTATTTTACA  GTAACAGAGAGAAAATAAATTAGAGATACAAATATTAAGGCCAATTATCAAAATGAAA  TTAACACAGATTATTATTCATATGAACAATGTAACAGAATCATCTATTTGATTTAACAT  CAAATATATTTTTGGCATATAATTATTTTTACAATGAGAATTATTAATTATCAACCAAT  TCAAATATACTCATTAGCCAAAAGAACAAAATAAGCCTCTTAAAAATTCAAGATTTATA  GATTGATATTAACATTTTCTCAATACATAAAATATTCTGATCTCCATTGAGTTAAACTG  TACAAACTCATATCTATTGTTTTATAGCTTATAATTAGGTATAGCTTGTCCACAAAAC  TCCTTGTCCAAAATCACTATTAATTGTACGAGGCAAAGCCCTATAATAAAATTAAGTGT  AATAATGGCCATTCTTTTCAAAAACAGAATAGGGGAAGTCCATTTTTCATGACTATGAA  TCTGGGTTTCCAAAATGGGGTTCCAAAATCCAGTTTTTCTAAATGTTTCAAACAGAGGGG  GAAAGGTAAGGGAAATTAAGGTTTTAATGGAGACTCTGGGAAAAAACTATTCATAATT  CTAGTTTCAGAAAACCCTTCCACATTAAGATTCCCTGAATGCCCCAGAAATTTTAAAT  AGCGCTTTTCAAACCTTTATTATTAG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015605
<b>Insert Size:</b>	2770 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_015605.4](#), [NP\\_056420.3](#)

**RefSeq Size:** 2494 bp

**RefSeq ORF:** 681 bp

**Locus ID:** 26095

**UniProt ID:** [Q4JDL3](#)

**Cytogenetics:** 10q11.22

**Protein Families:** Druggable Genome, Phosphatase

**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]  
Transcript Variant: This variant (2) differs in the 5' UTR and lacks two alternate exons in the coding region, resulting in a frameshift compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus compared to isoform 1. Both variants 2 and 17 encode the same isoform (2).