

## Product datasheet for **SC311248**

### PTPN20B (PTPN20) (NM\_001042359) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PTPN20B (PTPN20) (NM\_001042359) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PTPN20  
**Synonyms:** bA42B19.1; bA142I17.1; CT126; PTPN20A; PTPN20B  
**Vector:** pCMV6 series

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001042359, the custom clone sequence may differ by one or more nucleotides

```
ATGATTGTAAACGATTATGAGGGAAATGACTCTGAAGCAGAAGACTTGAATTCAGGGAG
ACTTTGCCTTCATCAAGTCAGGAAAACACACCTAGATCAAAGTTTTTAAAAATAAAGTT
AATTCAGAGAAGGTAAAACCTTCTCTTCGGAATTTCCACATAATGATTATGAGGATGTT
TTTGAAGAGCCTTCAGAAAAGTGGCAGTGATCCCAGCATGTGGACAGCCAGAGGCCCTTC
AGAAGAGACAGGTGGAGCAGTGAGGATGAGGAGGCTGCAGGGCCATCACAGGCTCTCTCC
CCTCTACTTTCTGATACGCGCAAATTTGTTTCTGAAGGAGAACTAGATCAGTTGGCTCAG
ATTCGGCCATTAATATTCATTTTCATGAGCAGACAGCCATCAAGGATTGTTTAAAAATC
CTTGAGGAAAAAACAGCAGCGTATGATATCATGCAGGAATTTATGACGGGAACTAGTCAC
TCTGTAAAACAGTTGCAGTTCACCAAGTGGCCAGACCATGGCACTCCTGCCTCAGCAGAT
AGCTTCATAAAATATATTCGTTATGCAAGGAAGAGCCACCTTACAGGACCCATGGTTGTT
CACTGCAGTGCCGGCATAGGCCGGACAGGGGTGTTCTATGTGTGGATGTCGTGTTCTGT
GCCATCGTAAAGAAGTTCATTCAACATCATGGATATAGTGGCCCAAATGAGAGAACAA
CGTTCTGGCATGGTTCAAACGAAGGAGCAGTATCACTTTTGTTACGATATTGTGCTTGAA
GTTCTTCGGAACTTCTGACTTTGGATTAA
```

**Restriction Sites:** Please inquire

**ACCN:** NM\_001042359

**OTI Disclaimer:** 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).



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**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\\_001042359.2](#), [NP\\_001035818.1](#)

**RefSeq Size:** 2444 bp

**RefSeq ORF:** 810 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 (4) differs in the 5' UTR and in the 5' coding region, compared to variant 1. It also lacks an in-frame segment of the coding region, compared to variant 1. The resulting protein (isoform 4) is shorter and contains a distinct N-terminus, compared to isoform 1.