

Product datasheet for **MC219501**

Ptpn6 (NM_001077705) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ptpn6 (NM_001077705) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ptpn6 |
| Synonyms: | 70Z-SHP; hcp; Hcph; me; Ptp1C; PTPTY-42; SH-PTP1; SHP-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >MC219501 representing NM_001077705
Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTGTCCCGGGTGGTTTCACCGGGACCTCAGCGGGCCTGATGCAGAGACCCTGCTGAAGGGCCGGG
GAGTCCCTGGGAGCTTCCTGGCTCGGCCAGCCGCAAGAACCAGGGTGACTTCTCCCTCTCAGTCAGGGT
GGATGATCAGGTGACTCATATTCGGATCCAGAACTCAGGGGACTTCTATGACCTGTACGGAGGGGAGAAG
TTTGCACGCTGACAGAGCTGGTCGAGTATTACACGCAGCAGCAGGGCATCCTGCAGGACCAGATGGCA
CCATCATCCACCTTAAGTACCCACTGAACTGCTCGGACCCACCAGTGAGAGGTGGTACCACGGCCACAT
ATCTGGAGGGCAGGCGGAGTCACTGCTGCAGGCCAAGGGCGAGCCCTGGACATTTCTTGTGCGTGAGAGT
CTCAGCCAACCTGGTATTTGTGCTCTCTGTGCTCAATGACCAGCCCAAGGCTGGCCAGGTTCCCCGC
TCAGGGTCACTCATATCAAGTTATGTGTAGGGTGGACGCTATACTGTGGTGGCTCAGAGACGTTTGA
CAGCCTCAGACCTGGTGGAGCACTTCAAGAAGACAGGGATTGAGGAGGCTCGGGTGCCTTTGTCTAC
CTGCGGCAGCCTTACTACGCTACTCGGGTAAACGAGCTGACATTGAGAAATCGGGTCTTGGAACTGAACA
AGAAGCAGGAGTCGGAGGACACAGCCAAGGCTGGCTTCTGGGAGGAGTTTGAAGTCTACAAAAGCAGGA
GGTAAAGAATCTACACCAACGTCTGGAAGGGCAGCGGCCAGAGAACAAGACAAGAACCCGCTACAAGAAC
ATTCTTCCCTTTGACCACAGCCGAGTGATCCTGCAGGGACGTGACAGTAACATCCAGGCTCTGACTACA
TCAATGCCAACTACGTGAAGAACCAGCTGCTAGGTCCAGATGAGAATCTAAGACCTACATCGCCAGCCA
GGGCTGTCTGGATGCCACAGTCAATGACTTCTGGCAGATGGCTTGGCAGGAGAACAACCTCGTGTATCGTC
ATGACTACCAGAGAGGTGGAGAAAGGCCGAACAATGTGTCCCATACTGGCCGAGGTGGGCACTCAGC
GTGTCTATGGTCTTACTCTGTGACCAACAGTAGGGAGCATGACACAGCAGAATACAAACTGCGAACATT
ACAGATCTCCCACTAGACAATGGGGACCTGGTTCGGGAGATATGGCACTACCAGTACCTGAGCTGGCCT
GACCATGGGGTCCCAGTGAGCCTGGGGTGTCTCAGCTTTCTGGATCAGATCAACCAGCGACAGGAAA
GTTTGCCTCATGCAGGGCCATCATTGTGCATTGCAGCGCTGGCATCGGCCGACGGGCACCATCATCGT
CATTGATATGCTTATGGAAGCATCTCCACCAAGGGGCTAGACTGTGACATTGATATCCAGAAGACCATC
CAGATGGTACGAGCACAGCGCTCCGGCATGGTGCAGACCAGGCCAGTACAAGTTTATTTACGTGGCCA
TTGCCAGTTCATCGAAACGACCAAGAAGAACTGGAGATCATAAATCCAGAAGGGCCAGGAGTCGGA
GTATGGGAATATCAGTACCCTCCGCTGTGAGGAGTGCCACGCAAAGCCTCGCGTACTTCTCCAAG
CACAAGGAGGAGGTGTACGAAAACGTGCATAGCAAGAGCAAGAAGGAAGAAAGTAAAGAAGCAGCGGT
CGGCAGACAAGGAGAAGAACAAGGTTCTCTCAAGAGGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1594_b07.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_001077705

Insert Size: 1794 bp

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).

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_001077705.1](#), [NP_001071173.1](#)

RefSeq Size: 2222 bp

RefSeq ORF: 1794 bp

Locus ID: 15170

UniProt ID: [P29351](#)

Cytogenetics: 6 59.17 cM

Gene Summary: Modulates signaling by tyrosine phosphorylated cell surface receptors such as KIT and the EGF receptor/EGFR. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation. Plays a key role in hematopoiesis.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) represents the longer transcript and encodes the longer isoform (b).