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Product datasheet for MC219479

Ptpn6 (NM_013545) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn6 (NM_013545) 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)

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Fully Sequenced ORF:

>MC219479 representing NM_013545
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGAGGTGGTTTCACCGGGACCTCAGCGGGCCTGATGCAGAGACCCTGCTGAAGGGCCGGGGAGTCC
CTGGGAGCTTCCTGGCTCGGCCCAGCCGCAAGAACCAGGGTGACTTCTCCCTCTCAGTCAGGGTGGATGA
TCAGGTGACTCATATTCGGATCCAGAACTCAGGGGACTTCTATGACCTGTACGGAGGGGAGAAGTTTGCG
ACGCTGACAGAGCTGGTCGAGTATTACACGCAGCAGCAGGGCATCCTGCAGGACCGAGATGGCACCATCA
TCCACCTTAAGTACCCACTGAACTGCTCGGACCCCACCAGTGAGAGGTGGTACCACGGCCACATATCTGG
AGGGCAGGCGGAGTCACTGCTGCAGGCCAAGGGCGAGCCCTGGACATTTCTTGTGCGTGAGAGTCTCAGC
CAACCTGGTGATTTTGTGCTCTCTGTGCTCAATGACCAGCCCAAGGCTGGCCCAGGTTCCCCGCTCAGGG
TCACTCATATCAAGGTTATGTGTGAGGGTGGACGCTATACTGTGGGTGGCTCAGAGACGTTTGACAGCCT
CACAGACCTGGTGGAGCACTTCAAGAAGACAGGGATTGAGGAGGCCTCGGGTGCCTTTGTCTACCTGCGG
CAGCCTTACTACGCTACTCGGGTAAACGCAGCTGACATTGAGAATCGGGTCTTGGAACTGAACAAGAAGC
AGGAGTCGGAGGACACAGCCAAGGCTGGCTTCTGGGAGGAGTTTGAGAGTCTACAAAAGCAGGAGGTAAA
GAATCTACACCAACGTCTGGAAGGGCAGCGGCCAGAGAACAAGAGCAAGAACCGCTACAAGAACATTCTT
CCCTTTGACCACAGCCGAGTGATCCTGCAGGGACGTGACAGTAACATCCCAGGCTCTGACTACATCAATG
CCAACTACGTGAAGAACCAGCTGCTAGGTCCAGATGAGAACTCTAAGACCTACATCGCCAGCCAGGGCTG
TCTGGATGCCACAGTCAATGACTTCTGGCAGATGGCTTGGCAGGAGAACACTCGTGTCATCGTCATGACT
ACCAGAGAGGTGGAGAAAGGCCGGAACAAATGTGTCCCATACTGGCCCGAGGTGGGCACTCAGCGTGTCT
ATGGTCTCTACTCTGTGACCAACAGTAGGGAGCATGACACAGCAGAATACAAACTGCGAACATTACAGAT
CTCCCCACTAGACAATGGGGACCTGGTTCGGGAGATATGGCACTACCAGTACCTGAGCTGGCCTGACCAT
GGGGTTCCCAGTGAGCCTGGGGGTGTCCTCAGCTTTCTGGATCAGATCAACCAGCGACAGGAAAGTTTGC
CTCATGCAGGGCCCATCATTGTGCATTGCAGCGCTGGCATCGGCCGCACGGGCACCATCATCGTCATTGA
TATGCTTATGGAAAGCATCTCCACCAAGGGGCTAGACTGTGACATTGATATCCAGAAGACCATCCAGATG
GTACGAGCACAGCGCTCCGGCATGGTGCAGACCGAGGCCCAGTACAAGTTTATTTACGTGGCCATTGCCC
AGTTCATCGAAACGACCAAGAAGAAACTGGAGATCATACAATCCCAGAAGGGCCAGGAGTCGGAGTATGG
GAATATCACGTACCCTCCCGCTGTGAGGAGTGCCCACGCCAAAGCCTCGCGTACTTCCTCCAAGCACAAG
GAGGAGGTGTACGAAAACGTGCATAGCAAGAGCAAGAAGGAAGAGAAAGTAAAGAAGCAGCGGTCGGCAG
ACAAGGAGAAGAACAAAGGTTCTCTCAAGAGGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013545

Insert Size: 1788 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).

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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_013545.3, NP_038573.2
RefSeq Size:	2219 bp
RefSeq ORF:	1788 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 (1) contains an alternate 5' terminal exon and initiates translation at an alternate start codon, compared to variant 2. It encodes isoform a, which has a shorter and distinct N-terminus, compared to isoform b.

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