

Product datasheet for **MC219394**

Ptpn11 (NM_001109992) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn11 (NM_001109992) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptpn11
Synonyms:	2700084A17Rik; AW536184; PTP1D; PTP2C; SAP-2; SH-PTP2; SH-PTP3; SHP-2; Shp2; Syp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC219394 representing NM_001109992
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACATCGCGGAGATGGTTTCACCCCAACATCACTGGTGTGGAGGCAGAGAATCTCCTGCTGACCAGAG
 GAGTCGATGGCAGTTTTTTAGCAAGGCCAGTAAGAGTAACCCTGGAGACTTCACCTCTGTCTGTTAGAAG
 AAATGGAGCTGTTACCCACATCAAGATTAGAACACTGGGGACTACTATGACCTCTATGGTGGGAGAAG
 TTTGCCACTTTGGCTGAACTGGTTCAGTATTACATGGAACACCATGGGCAGCTGAAAGAGAAGAATGGAG
 ATGTTATCGAGCTCAAGTACCCGCTGAACTGTGCAGACCCTACCTCTGAAAGGTGGTTCCATGGTCACTT
 GTCTGGAAAAGAAGCAGAGAAGCTGCTGACGGAGAAGGGCAAGCATGGCAGCTTCCTCGTTCGAGAGAGC
 CAGAGCCACCCCGGAGACTTCGTCTCTCCGTGCGCACTGGTACGACAAAGGGGAGAGCAACGACGGCA
 AGTCCAAAGTGACCCACGTATGATCCGCTGTCAGGAGCTGAAATACGACGTTGGTGGGGGAGAGCGCTT
 TGACTCTCTGACAGACCTGGTGGAGCATTACAAGAAGAACCCCATGGTGGAGACGCTGGGCACAGTCTG
 CAGCTCAAGCAGCCCTCAACACAACCTCGTATCAATGCTGCTGAAATTGAAAGCCGGGTTTCGAGAGTTAA
 GCAAGCTGGCTGAGACCACAGATAAAGTCAAGCAGGGCTTTTGGGAAGAGTTTGAGACGCTCCAGCAACA
 GGAATGCAAACTTCTCTATAGCCGAAAAGAAGGACAGAGACAAGAAAATAAAAACAAAAACAGATACAAA
 AACATCCTGCCCTTTGATCATACCAGGGTCTTCTGATGATGGGGATCCCAATGAGCCTGTTTCTGATT
 ACATTAATGCAACATCATATGCTGAGTTTGGAGCAAGTGAACAATTCCAAACCCAAAAAGAGTTA
 CATTGCCACTCAAGGCTGCCTGCAGAACCGGTGAATGACTTCTGGCGGATGGTGTCCAGGAGAAGTCT
 CGAGTCATTGTCATGACCACAAAGGAAGTGGAGAGAGGGAAAGAGCAAATGTGTCAAGTACTGGCCTGATG
 AGTATGCGCTCAAAGAATACGGGGTTCATGCGTGTAGGAACGTCAAAGAAAGTCCCGCCCATGACTACAC
 TTTACGAGAGCTCAAACCTCTAAGGTGCGACAAGGAAAACACAGAGAGAACCCTGTCGAGTACCCTTT
 CGGACCTGGCCAGACCATGGCGTGCCTAGTGACCTGGAGGTGTGCTGGACTTCCTGGAGGAGGTCCACC
 ACAAGCAGGAGAGCATCGTGGATGCAGGCCCTGCTGTTCACTGCAGCGCTGGGATTGGCCGGACAGG
 AACCTTCATTGTGATTGACATCCTTATTGACATCATTGAGAGAAAGGTGTGGACTGTGACATCGACGTT
 CCTAAAACCATTCAGATGGTGGGTCAGAGGTCGGGGATGGTCCAGACAGAAGCACAGTACCGGTTTA
 TCTACATGGCTGTCCAGCACTACATAGAGACGCTGCAGCGCCGGATCGAGGAGGAGCAGAAAAGCAAAG
 AAAAGGACATGAATATACCAATATTAAGTATTCTTGGTGGACCAGACAAGTGGTATCAGAGTCCCCTG
 CCACCCTGCACCCCAACGCCACCCTGTGCAGAAATGAGGGAGGACAGCGCCCGAGTCTATGAGACGTGG
 GCCTCATGCAGCAGCAGAGGAGTTTCAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1600_e10.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001109992

Insert Size: 1782 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_001109992.1](#), [NP_001103462.1](#)

RefSeq Size: 5616 bp

RefSeq ORF: 1782 bp

Locus ID: 19247

UniProt ID: [P35235](#)

Cytogenetics: 5 F

Gene Summary: Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus. Positively regulates MAPK signal transduction pathway. Dephosphorylates GAB1, ARHGAP35 and EGFR. Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity. Dephosphorylates CDC73.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. It encodes isoform b, which is shorter than isoform a.