

Product datasheet for **MC218227**

Ptpn5 (NM_013643) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn5 (NM_013643) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptpn5
Synonyms:	Step
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218227 representing NM_013643
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCTGTAGTGAGAGGCTGTTGGGTCTCCCCAGCCGGTAGAGATGGAAGCACCGGACGAGGCCGAAG
 GACTCCCCAGCAAGCAGAAAGAGATGCCACCACCCCGCCACCCTCACCGCCCTCTGAGCCAGCTCAGAA
 GCTGCCACCTCAAGGCGCTGGGAGCCACTCCCTCACCGTCAGAAGCAGCCTGTGCCTGTTTGCTGCCTCT
 CAGTTCCTGCTTGCTGTGGGTGCTCTGGCTCAGTGGCCATGGCCACTCCTGGTGCAGAACACCACAG
 ACCTCATCTCCTCTCGCTCACAGTGTGAACCATCTGGGACCTGTGGCCTGGTGGTCTGGGACCTG
 GGGGATACCAAGTCTGCTGCTAGTCTCTGACTGTGAGCCTGGTCATCGTCACCACCCTGGTGTGGCAC
 CTCCTCAAGGCACCCAGAGCCACTGCCCACTGCCCCAGAGGACAGGCGTCAATCAGTGAAGCCGGC
 AGCCTTCCTTACCTACTCAGAGTGGATGGAGGAGAAGGTAGAGGATGACTTCTGGACCTGGACCGGT
 GCCCGAGACACCTGTGTTGACTGTGTGATGGACATCAAGCCTGAGACTGATCCTGCCTCATTGACTGTC
 AAGTCCATGGGTCTACAGGAGAGGAGAGGATCCAATGTCTCCTTGACCCTGGACATGTGTACTCCTGGCT
 GCAATGAGGAGGGCTTCGGCTACCTGGTGTCTCCACGAGAAGAGTCAGCCATGAGTATCTGCTCAGCGC
 CTCCCGTGTCTCCGGGCAGAAGAGCTACATGAAAAGGCTCTGGACCCTTTCTTGCTGCAGGCGGAATTC
 TTTGAAATCCCATGAACCTTTGTGGATCCAAAAGAGTATGACATCCCAGGGCTGGTGCAGGAAATCGGT
 ACAAACCATCCTTCCCAATCCTCACAGCAGGGTACGTCTGACGTACCAGACCTGAAGATCCTCTGAG
 TTCCTACATCAATGCCAACTACATCCGGGGCTACAGTGGGAGGAGAAGGTGTACATCGCCACGCAGGGA
 CCCATCGTCAGCACTGTGGCCGACTTTTGGCGCATGGTGTGGCAGGAGCGCACACCCATCATCGTCATGA
 TCACCAACATCGAGGAGATGAACGAGAAGTGCACAGAATACTGGCCAGAAGAGCAGGTGGTCCATGACGG
 CGTGGAGATCACCGTGCAGAAAGTCATCCACACGGAGGACTACCGGCTGCGACTCATCTCCCTCAGGAGA
 GGGACTGAAGAGCGAAGCTTGAAGCATTACTGGTTCACATCCTGGCCTGACCAGAAGACCCCGACCGGG
 CTCCCCACTCCTGCACCTGGTACGGGAAGTGGAGGAGGCAGCCCAACAAGAGGGACCCATTGTTCCCC
 AATCATCGTTCACTGCAGTGCAGGGATTGGGAGAAGTGGTGTCTCATTGCCACCAGCATCTGCTGCCAG
 CAGCTGCGACGTGAGGGCGTGGTGGACATCCTGAAGACCAGTGCAGCTCCGTGAGGACAGGGGTGGCA
 TGATCCAGACATGCGAACAGTACCAGTTTGTGCACCACGCCATGAGCCTCTATGAGAAGCAGCTGTCCCT
 CCAGTCTCAGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_013643

Insert Size: 1626 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:	<ol style="list-style-type: none">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_013643.2 , NP_038671.2
RefSeq Size:	3134 bp
RefSeq ORF:	1626 bp
Locus ID:	19259
UniProt ID:	P54830
Cytogenetics:	7 30.7 cM
Gene Summary:	<p>May regulate the activity of several effector molecules involved in synaptic plasticity and neuronal cell survival, including MAPKs, Src family kinases and NMDA receptors. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) and variant 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>