

Product datasheet for **MC217737**

Ptpn5 (NM_001163565) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn5 (NM_001163565) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptpn5
Synonyms:	Step
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217737 representing NM_001163565
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCTGTAGTGAGAGGCTGTTGGGTCTCCCCAGCCGGTAGAGATGGAAGCACCGGACGAGGCCGAAG
 GACTCCCCAGCAAGCAGAAAGAGATGCCACCACCCCGCCACCCTCACCGCCCTCTGAGCCAGCTCAGAA
 GCTGCCACCTCAAGGCGCTGGGAGCCACTCCCTCACCGTCAGAAGCAGCCTGTGCCTGTTTGCTGCCTCT
 CAGTTCCTGCTTGCTGTGGGTGCTCTGGCTCAGTGGCCATGGCCACTCCTGGCTGCAGAACACCACAG
 ACCTCATCTCCTCTCGCTCACAGTGTGAACCATCTGGGACCTGTGGCCTGGCTGGGTTCTGGGACCTG
 GGGGATACCAAGTCTGCTGCTAGTCTCTGACTGTGAGCCTGGTCATCGTCACCACCCTGGTGTGGCAC
 CTCCTCAAGGCACCCAGAGCCACTGCCCCACTGCCCCAGAGGACAGGCGTCAATCAGTGAAGCCGGC
 AGCCTTCCTTACCTACTCAGAGTGGATGGAGGAGAAGGTAGAGGATGACTTCTGGACCTGGACCGGT
 GCCCGAGACACCTGTGTTTGACTGTGTGATGGACATCAAGCCTGAGACTGATCCTGCCTCATTGACTGTC
 AAGTCCATGGGTCTACAGGAGAGGAGAGATCCAATGTCTCCTTGACCCTGGACATGTGTACTCCTGGCT
 GCAATGAGGAGGGCTTCGGCTACCTGGTGTCTCCACGAGAAGAGTCAGCCATGAGTATCTGCTCAGCGC
 CTCCCGTGTCTCCGGGCAGAAGAGCTACATGAAAAGGCTCTGGACCCTTTCTTGCTGCAGGCGGAATTC
 TTTGAAATCCCATGAACCTTTGTGGATCCAAAAGAGTATGACATCCCAGGGCTGGTGCAGGAAATCGGT
 ACAAACCATCCTTCCCAATCCTCACAGCAGGGTACGTCTGACGTACCAGACCCTGAAGATCCTCTGAG
 TTCCTACATCAATGCCAACTACATCCGGGGCTACAGTGGGAGGAGAAGGTGTACATGCCACGCAGGGA
 CCCATCGTCAGCACTGTGGCCGACTTTTGGCGCATGGTGTGGCAGGAGCGCACACCCATCATCGTCATGA
 TCACCAACATCGAGGAGATGAACGAGAAGTGCACAGAATACTGGCCAGAAGAGCAGGTGGTCCATGACGG
 CGTGGAGATCACCGTGCAGAAAAGTCCACACGAGGACTACCGGCTTCGACTCATCTCCCTCAGGAGA
 GGGACTGAAGAGCGAAGCTTGAAGCATTACTGGTTCACATCCTGGCCTGACCAGAAGACCCCGACCGGG
 CTCCCCACTCCTGCACCTGGTACGGGAAGTGGAGGAGGCAGCCCAACAAGAGGGACCCCAATTGTTCCCC
 AATCATCGTTCACTGCAGTGCAGGGATTGGGAGAAGTGGCTGCTTATTGCCACCAGCATCTGCTGCCAG
 CAGCTGCGACGTGAGGGCGTGGTGGACATCCTGAAGACCAGTGCAGCTCCGTGAGGACAGGGGTGGCA
 TGATCCAGACATGCGAACAGTACCAGTTTGTGCACCACGCCATGAGCCTCTATGAGAAGCAGCTGTCCCT
 CCAGTCTCAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001163565

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:

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: [BC079592](#), [AAH79592](#)

RefSeq Size: 3132 bp

RefSeq ORF: 1626 bp

Locus ID: 19259

UniProt ID: [P54830](#)

Cytogenetics: 7 30.7 cM

Gene Summary: 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]
Transcript Variant: This variant (2) has an alternate 5' exon, as compared to variant 1. Both variants 1 and 2 encode the same protein.