

Product datasheet for **SC336703**

PTPN5 (NM_001278238) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTPN5 (NM_001278238) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTPN5
Synonyms:	PTPSTEP; STEP; STEP61
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC336703 representing NM_001278238.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

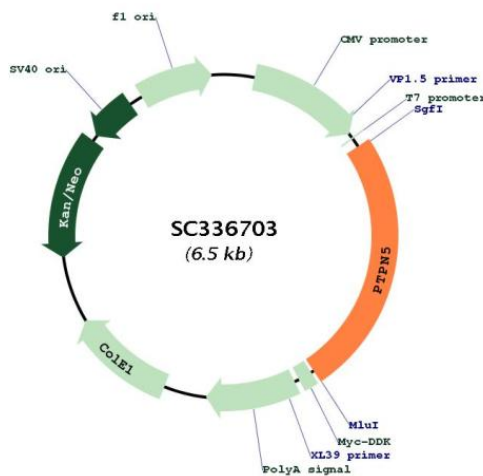
```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCTGCAGTGAGAGGCTACCGGCTCTCCCCAGCCGATAGTGATGGAGGCACTGGACGAGGCTGAA
GGGTCCAGGACTCACAGAGAGAGATGCCGCCACCCCTCCTCCCTCGCGCCCTCAGATCCAGCTCAG
AAGCCACCACCTCGAGGGCTGGGAGCCACTCCCTCACTGTGAGGAGCAGCCTGTGCCTGTTGCTGCC
TACAGTTCCTGCTTGCCTGTGGGTGCTCTGGTTCAGCGTTATGGCCACATCTGGTCACAGAACGCC
ACAAACCTCGTCTCCTCTTTGCTGACGCTCCTGAAACAGCTGGAACCCACGGCCTGGCTTACTCTGGG
ACGTGGGAGTCCCAGTCTGCTGCTGGTCTTTCTGTCCGTGGGCTGGTCTGTTACCACCCTGGTG
TGGCACCTCTGAGGACACCCAGAGCCACCCACTGCCCTGAGGACAGGCGCCAGTCAGTG
AGCCGCCAGCCCTCCTTACCTACTCAGAGTGGATGGAGGAGAAGATCGAGGATGACTTCTGGACCTC
GACCCGGTGCCCGAGACTCCTGTGTTGATTGTGTGATGGACATCAAGCCTGAGGCTGACCCACCTCA
CTACCGTCAAGTCCATGGTCTGCAGGAGAGGGGTTCCAATGTCTCCCTGACCCTGGACATGTGC
ACTCCGGCTGCAACGAGGAGGGCTTTGGCTATCTCATGTCCCCAGTGAGGAGTCCGCCCGGAGTAC
CTGCTCAGCGCCTCCCGTGTCTCCAAGCAGAAGAGCTTCATGAAAAGGCCCTGGACCCTTCTGCTG
CAGGCGGAATCTTTGAAATCCCATGAACTTTGTGGATCCGAAAGAGTACGACATCCCTGGGCTGGTG
CGGAAGAACCAGTACAAAACCTACTTCCCAACCTCACAGCAGAGTGTGTCTGACCTCACCAGACCCT
GACGACCTCTGAGTTCCTACATCAATGCCAATACATCCGGGGCTATGGTGGGGAGGAGAAGGTGTAC
ATCGCCACTCAGGACCCATCGTCAGCAGGTGCGCGACTTCTGGCGCATGGTGTGGCAGGAGCACAG
CCCATCATTGTCATGATACCAACATCGAGGAGATGAACGAGAAATGCACCGAGTATTGGCCGGAGGAG
CAGGTGGCGTACGACGGTGTGAGTCACTGTGCAGAAAGTCATTCACACGGAGGATTACCGGCTGCGA
CTCATCTCCCTCAAGAGTGGGACTGAGGAGCGAGGCTGAAGCATTACTGGTTCACATCCTGGCCCGAC
CAGAAGACCCAGACCGGCCCCCACTCCTGCACCTGGTGCAGGAGGTGGAGGAGGCAGCCAGCAG
GAGGGGCCCACTGTGCCCCATCATCGTCCACTGCAGTGCAGGGATTGGGAGGACCGGCTGCTTATT
GCCACCAGCATCTGCTGCCAGCAGCTGCGGCAGGAGGGTGTGGTGGACATCCTGAAGACCAGTGCCAG
CTCCGTCAGGACAGGGCGGCATGATCCAGACATGCGAGCAGTACCAGTTTGTGCCACCACGTATGAGC
CTCTACGAAAAGCAGCTGTCCACCAGTCCCAGAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:	NM_001278238
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:	<u>NM_001278238.1</u>
RefSeq Size:	3068 bp
RefSeq ORF:	1626 bp
Locus ID:	84867
UniProt ID:	<u>P54829</u>
Cytogenetics:	11p15.1
Protein Families:	Druggable Genome, Phosphatase, Transmembrane
Protein Pathways:	MAPK signaling pathway
MW:	61 kDa
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 (5) lacks an internal exon in the 5' region which causes translation initiation at a downstream start codon, compared to variant 1. The resulting isoform (c) has a shorter N-terminus, compared to isoform a.</p>