

Product datasheet for **RN202651**

Ptpn5 (NM_019253) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptpn5 (NM_019253) Rat Untagged Clone
Tag: Tag Free
Symbol: Ptpn5
Synonyms: STEP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202651 representing NM_019253
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGAAGGTAGAGGATGACTTTCTGGACCTGGACGCAGTGCCGGAGACACCCGTGTTTGACTGTG
TGATGGACATCAAGCCTGAGGCTGATCCCACCTCGTTGACTGTCAAGTCCATGGGTCTGCAGGAGAGGAG
GGGCTCCAATGTCTCCTTGACCCTGGACATGTGTACTCCTGGCTGCAATGAGGAGGGCTTTGGCTACCTG
GTGTCACCCACGAGAGGAGTCAGCCCATGAATACCTGCTCAGTGCCTCCCGTGTCCCTCCGGGCAGAGGAGC
TGCACGAAAAGGCCCTGGACCCTTTCTTGTCTGACGGCGGAATCTTTGAAATCCCATGAACCTTTGTGGA
TCCAAAAGAATATGACATCCCAGGGCTGGTACGGAAGAATCGGTACAAAACCATCCTTCCCAATCCTCAC
AGCAGGGTACGTCGACGTCACCAGACCCTGAAGATCCTCTGAGTTCCTACATCAATGCCAACTATATCC
GGGGCTACAATGGGGAGGAGAAGGTGTACATCGCCACCCAGGGACCCATCGTCAGCACTGTGGTCGACTT
CTGGCGCATGGTGTGGCAGGAGCGCACACCCATCATCGTCATGATCACCACATCGAGGAGATGAACGAG
AAGTGCACGGAATATTGGCCAGAAGAGCAGGTCTCCACGATGGCGTAGAGTCACTGTGCAGAAAGTCA
TCCACACAGAGGACTACCGGCTGCGACTTATCTCCCTCAGGAGAGGGACTGAAGAGAGAGGCTTGAAGCA
TTACTGGTTCACATCCTGGCCTGACCAGAAGACCCCGACCGGGCACCCCACTCCTGCACCTGGTACGG
GAGGTGGAGGAGGAGCCAGCAAGAGGGACCCCACTGTTCCCGGATCATTGTTCACTGCAGTGCAGGGGA
TTGGGAGAACCGGTGCTTCATCGCCACCAGCATCTGCTGCCAGCAGCTGCGACGTGAGGGCGTGGTAGA
CATCCTAAAGACCAGTGCAGCTCCGTGAGGACAGGGGGCGCATGATCCAAACATGCGAACAGTATCAG
TTTGTGCCACCGCATGAGCCTCTATGAGAAGCAGCTATCCCTCCAGTCTCAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019253



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Insert Size:	1110 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_019253.3, NP_062126.3</u>
RefSeq Size:	2815 bp
RefSeq ORF:	1110 bp
Locus ID:	29644
UniProt ID:	<u>P35234</u>
Cytogenetics:	1q22
Gene Summary:	a putative protein-tyrosine-phosphatase that is found enriched within the striatum [RGD, Feb 2006]