

Product datasheet for **RN208991**

Ptpn6 (NM_053908) Rat Untagged Clone

Product data:

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|--------------------|--------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Ptpn6 (NM_053908) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ptpn6 |
| Synonyms: | Ptph6; Shp-1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN208991 representing NM_053908
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGTCCCGGGTGGTTTCACCGGGACCTCAGTGGGCTGATGCCGAGACCCTGCTCAAGGGCCGGG
 GAGTCCCTGGGAGCTTCTGGCTCGGCCAGTCGCAAGAACCAGGGTACTTCTCCCTCTCAGTCAGGGT
 GGATGACCAGGTGACTCATATTCGGATCCAGAACTCAGGGGACTTCTATGACCTGTATGGAGGGGAGAAG
 TTTGCGACGTCGACAGAGCTGGTGGAGTATTACACTCAGCAGCAGGGCATCCTGCAGGACCAGAGCGCA
 CCATCATCCACCTCAAGTACCCACTGAACTGCTCGGACCCACCAGCGAGAGGTGGTATCATGGTCACAT
 GTCTGGAGGGCAGGCAGAGTCACTGCTGCAGGCCAAGGGCGAGCCCTGGACATTTCTTGTGCGTGAGAGT
 CTCAGCCAACCTGGTATTTTGTGCTCTCTGTGCTCAATGACCAGCCCAAGGCTGCCCGGGTTCCCGC
 TCAGGGTCACGCACATCAAGTTATGTGTGAGGGTGGACGATACACTGTGGGTGGCTCAGAGACATTCGA
 CAGCCTCAGACCTGGTGGAGCACTTCAAGAAGACGGGATTGAGGAGGCTCAGTGCCTTTGTCTAC
 CTGAGGCAGCCTTACTATGCCACTCGGGTAAATGCAGCAGACATTGAGAACCAGGCTTGGAACTGAACA
 AGAAGCAGGAGTCAGAGGACACAGCCAAGGCCGGCTTCTGGGAGGAGTTTGGAGTCTGCAAAAAGCAAGA
 GGCAAAGAATTGACCAGCGTCTGGAAGGGCAGCGGCCGGAGAACAAGAGCAAGAACCCTACAAGAAC
 ATCTTCCCTTTGACCACAGCCGAGTGATCCTGCAGGGACGTGACAGTAACATCCAGGGTCTGATTACA
 TCAATGCCAACTACGTTAAGAACCAGCTGCTAGGTCCGGATGAGAAGTCTAAGACCTACATCGCCAGTCA
 GGGCTGTCTGGACGCTACCGTCAATGACTTCTGGCAGATGGCTTGGCAGGAGAACAACCTCGTGTATCGTC
 ATGACTACCAGAGAGGTGGAGAAAGGCCGAACAATGTGTCCCATACTGGCCTGAGGTGGGCACTCAGC
 GCGTCTATGGGCTCTACTCTGTGACCAACTGTAAGAGCATGACACAGCAGAGTACAACCTCGAACATT
 GCAGATCTCCCACTGGACAATGGGGACCTGGTTCCGGGAGATATGGCACTACCAGTACCTGAGCTGGCCT
 GACCATGGGGTCCCAAGTGGAGGTCCTCAGCTTTCTGGATCAGATCAACCAGCGGCAGGAAA
 GTTTGCCTCACGCGGGGCCATCATTGTGCATTGCAGCGCTGGCATCGGCCGCACCGGCACCATCATCGT
 CATTGATATGCTCATGGAGAGCGTCTCCACCAAGGGGCTAGACTGTGACATTGACATCCAGAAGACCATC
 CAGATGGTACGGGCACAGCGCTCTGGCATGGTGCAGACAGAGGCACAGTACAAGTTTATTTATGTGGCCA
 TCGCCCAGTTCATCGAAACAACCAAGAAGAACTGGAGATCATAAATCCAGAGGGGCCAGGAGTCGGA
 GTATGGGAACATCACCTACCCTCCGGCTTTGAGGAGTGCCACGCCAAAGCCTCCCGTACCTCGTCCAAA
 CACAAGGAGGAGGTGTACGAAAACGTGCATAGCAAGAACAAGAAGGAAGAAAGTAAAGAAAGCAGCGAT
 CGGCAGACAAGGAGAAGAACAAGGTTCTCTCAAGAGGAACATCAGCCTTACTCCGTGCAGAGGCCTCCG
 CTGGGCAGACAGAGACCT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_053908
- Insert Size:** 1842 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_053908.1](#), [NP_446360.1](#)

RefSeq Size: 2176 bp

RefSeq ORF: 1842 bp

Locus ID: 116689

UniProt ID: [P81718](#)

Cytogenetics: 4q42

Gene Summary: plays a role in activation and proliferation of glial cells and astrocytes [RGD, Feb 2006]