

Product datasheet for **RN212701**

Ptprn (NM_053881) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptprn (NM_053881) Rat Untagged Clone
Tag: Tag Free
Symbol: Ptprn
Synonyms: Ia-2; ICA512
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212701 representing NM_053881
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGCGCCCGGGCGGCCGGAGGTCCCGGGGCTGCGGGGGCTCCGAGGGTTCGGGGGCCTTCGGC
TGCTGGTCTGCCTGCTGTTGTTGAGCGGCCCGGGGGCTGCAGCGCCATCAGTGCCACGGCTGTCT
CTTTGACCGCAGACTTTGTTGCGCATCTGGAAGTCTGTATTCAGGATGGCTTGTGGACAGTGCCAGGCA
GGAGTGGGGCAGGCACGGCCCTTTACAAGTCACTTCCCAGTTCTCCAGCGCTTACAAGTGTGCTCC
GGCAACTCATGTCCCAAGGCTTGTCTGGCATGATGACCTCACCCAGTATGTGATCTCCAGGAGATGGA
ACGAATCCCAGGCTTTCCTCCCCAGAACCTCATCCAAGGGACAGATCTGGATCGGTGCCAGGAGAGCA
GGCCACAGGGGAATTGCTTTCTCAGGGCAATCCCAGTGGCTCCTCTCCTGCTGTCCAGGGGCTCTCTC
GGCCTCCAGGGGATGGGAATGGAGCTGGGGTGGCTCCCACTGTCTCTGACAGGCTGAGCTGTTACC
CCCTCTTTGGAGCATCTGCTAATGCCCGCAGCCTCCACCCCGTCTCTGACCTATGAACCTGCATTG
CTACAACCTTACTTGTCCAGCAGTTGGTTCCCGAGATGGCTCCCGGGGCTCAGAGAGCCCTCTGGGG
TAGTTGGCCATCTGGCCAAGGCTGAAGATCCTGTACTCTCAGCAGAAGCCTCTCCAAGGCCATTTGGG
GACTCACTCTGGACACTCCTTTGGTGACCTTACAGGTCCTCACCTGCTCAGCTTTTCCAGGATTCAGGG
CTGCTCTACATGGCCCAAGAGTTGCCAGTGCCTGGCAGAGCCCGGGCGCCAAGGTTGCCAGAGGAAGGGG
GCAGCAGCCGGGACAGGACTCTTCAGAGGGCCATGAGGAGGAAGTACTAGGGGGTTCATGGGGAGAAGTC
CCCTCCCCAAGCAGTACAAGCAGATGTAAGTCTGCAGAGATTGGCTGCTGTGCTGGCAGGCTACGGAGTA
GAGCTGCGTCAGCTGACCCCGAACAGCTTTCTACCTCTTAACCCTGCTGCAGTACTGCCAAGGGCA
CAGGAAGACATCTGGAGGGGCTGTGAACGGAGGACCGATGTCAAGAAAACAATAGAAGAACAATGCA
GAGAGGGGACACAGCAGACGCTCGGCCCCACACCTTGCTTCTGGACACCCACTGCCAGCTCCACC
TCCATCAAAGTTGGCAGGTGCTGAGCCCTGGTTCCCTGAACCTCCCAAGACATCCAGTCTCTGGGCA
TCTCGGCTGCTCCTGCTGGAGAAGAAAAGTCCCTTGGGCCAGAGCCAGCCACAGTGGTGGACAGCCTTC
AGCTCGACCGTCCGCTGAGGAGTATGGCTATATAGTCACTGATCAGAAACCCCTGAGTCTGGTGGCTGGA
GTGAAGTTGCTGGAGATCCTGGCTGAACATGTGCACATGACTTACGGCAGCTTCATCAACATCAGTGTGG



TAGGACCAGCTGTACCTTCCGAATCCGGCACAATGAGCAGAACTTGCTTTGGCAGATGTGACCCAGCA
 AGCTGGGCTGGTGAAGTCTGAACTGGAAGCGCAGACAGGGCTCCAGATTTTCAGACAGGGGTGGGACAG
 AGGGAGGAATCCGCCGAGTCTTCCCCGACAAGCCATGGCATACTCCCATGCGCTCATTGCTGCTTA
 CTCTGGTGGCCCTGGCAGGTGTCGCTGGGCTACTAGTAGCTTTGGCGGTGGCCCTGTGTATGCGCCATCA
 TTCGAAACAACGGGATAAGGAGCGCCTGGCCGCGCTGGGGCCGGAGGGGGCCACGGTGACACTACTTTT
 GAATACCAGGACCTGTGTCGCCAGCACATGGCCACAAAGTCGCTGTTAACCGGGCAGAGGGTCAGCCAG
 AGCCTTCTCGGGTGAGCAGTGTCTCCAGTTCAGTGACGCGGCCAGGCCAGCCAGTTCCACAG
 CAGCACACCGTCTGTTGTCGAGGAGCCTGCCAGGCCAACATGGACATCTCCACAGGACACATGATTCTG
 GCATACATGGAGGATCACCTCCGGAACCGGGACCGGTTGGCCAAGAAGTGGCAGGCCCTGTGCGCTACC
 AAGCGGAGCCAAACACCTGTGCCACCGCACAAGGTGAAGGCAACATCAAGAAGAACCGCCATCTGACTT
 CTTACCTATGACCATGCCCGAATCAAGCTGAAAGTGGAGAGCAGCCCTCTCGGAGTGATTACATCAAC
 GCCAGTCCATCATCGAGCATGACCCTCGGATGCCGGCTACATAGCCACACAGGGACCCCTGTCCACACA
 CCATCGCAGACTTCTGGCAGATGGTGTGGGAGAGTGGCTGCACTGTCATCGTTATGCTGACCCCTTTGGT
 GGAGGATGGTGTCAAACAGTGTGACCGCTACTGGCCGGATGAAGGGTCTCCCTTACCAGTCTATGAG
 GTGAACCTGGTGTCTGAGCACATCTGGTGCAGGACTTCTGGTGGGAGCTTCTACCTGAAGAAGTGC
 AGACCCAGGAGACGCGCAGCTCACTCAGTTCCTCCTCAGCTGGCCGCGAGAGGGCACTCCGGCCTC
 CACCCGGCCGCTGCTGGACTTCCGAGGAAAGTGAACAAGTGTACAGAGCCGCTCCTGTCCCATCATA
 GTGCACTGCAGTATGGTGCAGGGAGGACAGGCACCTACATCCTTATTGACATGGTACTGAATCGCATGG
 CGAAAGGAGTGAAGGAGATTGATATCGCTGCCACCCTGGAGCATGTCCGTGACCAGCGACCTGGCCTTGT
 CCGTTCTAAGGACCAGTTTGAGTTTGGCTGACAGCCGTGGCGGAGGAGTGAATGCCATCTCAAGGCC
 CTGCCCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_053881
- Insert Size:** 2952 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_053881.1](#), [NP_446333.1](#)
- RefSeq Size:** 2952 bp
- RefSeq ORF:** 2952 bp
- Locus ID:** 116660

UniProt ID: [Q63259](#)

Cytogenetics: 9q33

Gene Summary: putative tyrosine phosphatase; involved in cytokine mediated signaling pathways [RGD, Feb 2006]