

Product datasheet for RN211823

Ptprn2 (NM_031600) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprn2 (NM_031600) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptprn2
Synonyms:	PTPNE6; R-PTP-N2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211823 representing NM_031600 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGGGCTACCGCTCCCGCTTTTGCTGCTGCTGCTGCTGCCGCCCACTGCCTCGCGCTCTGCCGGCCC
CCGCGTCTGCCCGCGCCGCGCAGCTCCCAGGGCGCCTGGGCTGCTTGTGGAGGATGGCTGTGTGGATC
ATTGGAGACCTGTGTGAACGATGGTGTGTTGGAAGATGTCAAAGGTTCCGGCCTTGACACTTACCGA
TATGAGGTGTACCAGGAGCCCTGCTGCACCTGAGGATCATCTTACAGAAGCTCTCCCGTACAGGTTTCA
CGTGGCAAGATGACTATACCCAGCGTGTGATCGCCAGGAGCTTTCAAACCTTCCCAAAGCCTACCTATG
GCATGAGGAAGCTTCCAGCCCAGCCAGGTCCTTACAACAGAATGCGGATAATGAAAAATGGTTTCAGTCTG
GAGAGTGAGGTGGCCCTGGCCAAGACCCTTCGGCGCTATCTGCCCTACCTGGAGCTTCTGTCCCAGGCC
CGACGGCAAAATGCACACCCAGGATAGACCACGAGACTCGTCCAGTTAAGGGTGAGGACTCGTCCCTGA
GAACATCTGACCTATGTGGCCACACATCTGCACTGACCTATCCTCCTGCAACCCGGGTCAAGTATCCC
GATAACCTTCTGCGACCCCTTAGCCGGCTCCAGCCAGATGAGCTCAGCCCCAAGGTAGACAGCGACATAG
ACAAACAGAAGCTGATTGCAGCACTGGGTGCCTACTGCTCAGAGGCCCTCTGGAGAAAATGACCCAGA
GCCACGGTATCTTGTGCATAGTCCCATGCGAGCACCAAGGCCCTTCGCAGCACCTGCTTTGTCTCAGAGA
TGGCCTCTACCTCCTGGAGACTCCAAAGACTCCCTGAGTATGGGTGATGACACACTCCTGCGGAGTCTTC
TGAAGGATCTGCAGCAGCAGGCTGAAGTGGACCGCCTGGGCTCCCTGAAGCTGGAGGAGCAGGCAGATTC
AATTGCTGGAGCCATACAAAGTATCCTGTAGAGGGAAGCCAAGAAAGTCATGGGAGAGGGGCCGAGGGA
CAGCTGAGAGAGCAGGCGGATGCCCCAGAGGAAATGCTTCAAGATCACAGACTACCAGAAGTGGATGACC
CAGCAGCGTACAAGGAGTCAAGCGTCTGAGTTTCAAGCTTGGGGACCTTGAAGGACCATGGGTCTCC
TCTATTACCTGAAGCTCCCTTCTGAAAAGTCCCTCCAGAGCAGAGATGAAGAAGTCAAGCAGCAGCTGAG
GAGGTCTTGTCTTCGGAAGAGGAGACTGCCGGGTGGAGCATGTGAAGAGCCGGACTTACTCAAAGACC
TATTGAAAGGAAGCCGAACCTCAGAACCCCAACCTGGAGGCTTGGAGACCAAGTTCCAAAATCGAGCTCC
AGAGGTGTGGGAGGATGAACAAAACCTCAAGTTGGCAGCACAGGGACCCCTAGTGGAGGCCCTTACGCTG
GAAGTGCAGCCTTCAAGGAGGAACAACAGGGATACATCCTCACAGGAAATAACCTCTAAGTCCAGAGA



[View online »](#)

AGGGGAAGCAGCTGATGGATGAAGTTGCCATCTCCTCCGGGTACCTTCCAGCTTCTTTCGAGATGTCAA
 AGTTTTGGGACCAGCAGTGATCTTCAAAGTGAGTGCCAACATCCAAAACATGACAACGGCAGATGTCACG
 AAAGCTGCAGTTGACAACAAAGATGAGCTGGAGAAGGCAACTGGACTGACCATCTGCAGAGTGGAAATCA
 GGCCGAAAGGAAAGCTCAAGCTCTACCCATCCAGAAGAGCAAGAGGACTCAACCAAGTTCATTGTGCT
 TACCTTCTCTCCATCGCTGCATCCTGGCCGTTCTCTGGCTCCAGCCTAGCCTACTGCCTCCGCCAC
 AACTCACACTACAAGCTGAAGGAGAAATGTCTGGACTAGGAGCTGACCCAGCGCAGATGCCACCGAAG
 CCTACCAGGAGCTATGCCGCAACGTATGGCTGTTCCGGCCGAGGATCACTCTGAGGGACCACATACATC
 CCGCATCAACAGTGTCTCATCCCAGCTCAGCGATGGGCCATGCCTAGTCCTTCAGCCCGGAGCAGCACT
 TCATCCTGGTCTGAGGAGCCTGCCAGTCTAACATGGACATCTCTACTGGCCACATGATCCTGGCCTACA
 TGGAAAGACCCTTGAAGAACAAGAACCAGCTGGAGAAGGAGTGGGAGGACTGTGCGCCTATCAAGCAGA
 GCCCGACAGCTCACTTGTGGCCAGAGAGAGGAGAATGCACCCAAGAACCCTTCCCTGGCTGTGCTGACC
 TATGACCATTCCAGGATCCTGTTGAAGTCTGAGAACAGCCACAGCAATTCTGACTACATCAATGCCAGCC
 CCATTATGGACCATGACCCAGAAACCCCGGTACATTGCCACCCAGGGCCACTTCCCGCCACCGTGGC
 CGACTTCTGGCAGATGGTGTGGAAAGCGGCTGTGCAGTCATCGTCATGCTGACACCCCTCTCTGAGAAC
 GCGCTCCGGCAGTGCCATCACTACTGGCCTGATGAAGGTTCCAAGTCTACCATGTCTATGAGGTCAATC
 TAGTCTCTGAACACATATGGTGCCAGGATTTCTGGTGAGAAGCTTTTACTTGAAGAACCCTGCAGACCAA
 TGAGACTCGCACGGTGACCCAGTTCACCTTCTGAGTTGGTATGACCAGGGAGTCCCTTCTCCACGAGG
 TCACTCCTGGATTTCCGAGAAAAGTGAACAAATGCTACCGAGGCCGCTTGTGCCGATAATTGTCCATT
 GCAGTGACGGCGCGGAGGAGTGGAACTACGTCCTGATTGACATGGTTCTCAATAAGATGGCCAAAGG
 TGCTAAAGAGATTGATATCGCAGCGACCTGGAGCACTTGAGGGACCAGAGACCAGGCATGGTCCAGACA
 AAGGAGCAGTTTGTAGTTTGGCTGACAGCTGTGGCCGAGGAGTGAATGCCATCCTGAAGGCCCTTCCC
 AGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031600
- Insert Size:** 3015 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_031600.1](#), [NP_113788.1](#)
- RefSeq Size:** 5136 bp
- RefSeq ORF:** 3015 bp

Locus ID: 29714
UniProt ID: [Q63475](#)
Cytogenetics: 6q33
Gene Summary: may play a roles in secretory granule biogenesis and organization or exocytosis [RGD, Feb 2006]