

Product datasheet for RN209636

Ptprs (NM_019140) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptprs (NM_019140) Rat Untagged Clone
Tag: Tag Free
Symbol: Ptprs
Synonyms: Larptp2; Ptprd; Ptpsigma; Ptpsigma.; Rptpd
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209636 representing NM_019140
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCACCTGGAGACCCAGCGTGGTGTCTGTGGTGGTCTGTGGGGCTCTCCTTGTACTGCTGG
 CCAGAGGGTGGCTGGCTGAAGAGCCACCCAGATTTATCAGAGAGCCCAAGGATCAGATTGGTGTGCAGG
 AGCGTGGCCTCCTTCGTGTGCCAGGCCACAGGTGACCCTAAGCCACGGGTGACCTGGAACAAGAAGGGC
 AAGAAAGTGAACCTCACAGCGCTTTGAGACCATTGACTTTGACGAGAGCTCGGGGGCCGTGCTGAGGATCC
 AGCCACTTCGGACACCCCGGGATGAGAAGTGTACGAGTGTGTGGCCAGAACTCGGTGGGGGAGATCAC
 AGTTTATGCGAAGCTCACCGTCTGCGAGAGGACCCAGCTGCCTCCTGGCTTCCCCAACATTGACATGGGC
 CCCCAGTTGAAGGTTGTAGAGCGCACACGCACAGCCACCATGCTCTGTGCTGCCAGCGGAAACCCTGACC
 CTGAGATCACCTGGTCAAGGACTTCTGCCTGTGGACCCAGTCCAGCAATGGGCGGATCAAGCAGCT
 TCGGTGAGTGCCTGCAGATTGAGAGCAGCGAGGAGACAGACCAGGGCAAGTACGAGTGTGTGGCCACC
 AACAGCGCTGGGTGCGTACTCATCACCTGCCAACCTCTACGTGCGAGTCCGCCGTGTGGCCCCCGCT
 TCTCCATCCTGCCATGAGCCACGAGATCATGCCCGTGGGAATGTGAATACACTTGTGGCTGTGGG
 CTCACCCATGCCCTACGTGAAGTGGATGCAGGGGCGAGAGGACCTGACGCCTGAGGATGACATGCCCGTG
 GGTGCGAATGTCTCGAACTCACGGATGTCAAAGACTCAGCCAACTATACTTGTGTGGCCATGTCCAGCC
 TGGGAGTGATCGAGGCCGTTGCTCAGATCACTGTAAAATCTCTCCCCAAAGCCCTGGGACTCCCCTGGT
 GACGGAGAACACTGCTACCAGTACTGTGCTCACATGGGACTCAGGCAATCCTGACCCTGTGCTCTACTAC
 GTAATTGAGTATAAATCCAAAAGCCAGGATGGGCCGTATCAGATCAAAGAAGACATACCACCACGCGCT
 ACAGCATCGGCGGCTGAGCCCCAACTCTGAGTATGAGATCTGGGTGTCAGCTGTCAACTCCATCGGCCA
 GGGCCCCCAGTGAGTCGGTGGTGACCCGCACAGGCGAGCAGGCCAGCCAGTGTCTCCAGGAATGTT
 CAGGCGCGCATGCTCAGTGCCACCACCATGATTGTGAGTGGGAGGAGCCGTGGAGCCCAATGGCCTGA
 TCCGTGGTACCCGCTCTACTACCCATGGAGCCCGAGCATCCGTTGGGCAACTGGCAGAAGCACAAATGT
 GGACGACAGTCTTCTGACCCTGTGGGAGCCTGCTAGAGGATGAGACCTACACTGTGAGAGTGTCTCGCC
 TTCACATCGGTGGGCGATGGGCCACTGTGAGCCCATCCAGGTCAAGACCCAGCAGGGAGTGGCCGGCC



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AGCCCATGAACCTTGC GGCTGAGGCCAAGTCAGAGACCAGCATTGGGCTCTCGTGGAGTGCACCACGGCA
GGAGAGTGTACATTAAGTATGAACTGCTCTTCCGGGAGGGCGACCGAGGCCGAGAGGTGGGGCAACCTTC
GACCAACACAGCCTTTGTGGTGGAGGACCTCAAGCCAAATACGGAGTACGCGTTCCGGCTGGCGGCTC
GCTCGCCGAGGGCTGGGCGCCTTACCAGCGTTGTGTGCCAGCGCACACTGCAGGCCAAACCGTCAGC
CCCCCTCAAGACGTTAAGTGCACCAGCTTGCCTCCACGGCCATATTGATCCTTCTGGAAGCTTTGGAG
AAATGGACGGAGTACCGTGTACCGCCGTGGCTTACACAGAGTGGGACCAGGGCCGAGAGCTCGCCCG
TGCTCGTCCGACCGATGAGGACGTGCCAGCGCCCGCCCGGAAGTGGAGGGGAGGGCTCAACGC
CACGGCTATCCGAGTGTGTGGCTCGCCACGCCCCGGCAGGCACGAGCAGATCCGCGGCTACCAG
GTCCACTATGTGCGCATGGAGGGACCGAGGCCCGGGCCACCAGCATCAAGGACATCATGCTGGCGG
ATGCCAGGAAATGGTATCACAAACCTCCAGCCTGAGACTGCTTACTCTATCACAGTAGCCGCTATAC
CATGAAAGGGATGGCGCTCGCAGCAAACCGAAGTGGTGGTACCAAGGGAGCAGTGTGGGCCGCCCC
ACCCTGTGCGTGCAGCAGACCCCGAGGGCAGCCTGTGGCGCGTGGGAGCCCCCGGGACGCGGCTG
AGGACCCAGTGTGGCTACCGCTGCAGTTTGGCGCGAAGACGCGCCCCGGCCAGTTGGAAGTGGC
GGCGTGGGAGCGCGGTTCCGCGGCGCTGCACACAAGGGCGCCACCTATGTGTTTCGGCTGGCGGCGGG
GGCCGCGCGGGGCTGGGCGAGGAGGCTCGGCGCGCTGAGCATCCCTGAGGACGCTCCGCTGGCTTCC
CGCAGATCCTGGGCCCGCGGGCAACGTGTCCGCGGGCTCCGTAATACTGCGCTGGCTGCCACCCGTGCC
CGCCGAGGGCAACGGCGCCATCATCAAGTACACGGTGTCCGTGCGGGAGGCCGGCACCCAGGGCCCGG
ACAGAGACCGAACTGGCGGCGGGCCAGCCGGGGCCGAGACAGCGCTCACACTACAGGGGCTGCGGC
CGGAGACGGCCTACGAGTGCAGTGCAGCGCACACGCGTGGGGCCCCGGCCCTTCTACCCCGCT
GCGATACAGGCTTGCAGGGGACCCAGTCTCCCCAAGAAGTCAAGTGAAGATGATCATGAAAACCTTCA
GTGCTGCTAAGCTGGGAGTTCCTGACAATAACTCACCCAGCCCTACAAGTCCAGTACAATGGAC
TCACACTGGACGTGGATGGCCGACTACCAAGAAGTGTATCACGCACCTCAAGCCACACCTTCTATAA
CTTCGTGCTCACCAACCGTGGCAGCAGCTGGGAGGCTGCAGCAGAGCTCACCCGAGACCGCCTTC
AACATGCTCAGTGGCAAGCTAGTGTCCGCCAAAGCCTGACAACGATGGTTCCATTGTGGTCTACCTGC
CTGATGGCCAGAGTCCCCTGACAGTGCAGAACTTCTATTGTGATGGTCCCCTTCCGAAAGTCTCGTGG
TGGCCAGTTCCCTATCCTACTAGGTAGTCCAGAGGACATGGATCTGGAGGAGCTCATCCAGGACCTTCC
CGGCTGCAGAGGCGCAGCCTGCGCCACTCAAGACAGCTGGAGGTGCCTCGGCCTTACATCGCCGCTCGGT
TCTCCATCCTGCCAGTGTCTTCCATCCTGGGAACCAGAAGCAATATGGTGGCTTTGACAACAGGGGCTT
GGAGCCAGGCCACCGTTATGTCTCTTTGTACTTGTGCTGCAGAGAATGAGCTACATTTGCAGCC
AGTCCCTTCTCAGACCCCTTCAACTGGACAACCCAGACCCGAGCCATTGTGGATGGCGAGGAGGCC
TCATCTGGGTGATCGGGCCGCTGTGGCGTGGTCTTATCATCTGCATCGTAATTGCCATCCTGTGTA
CAAGAACAAGCCTGACAGCAAACGCAAGGACTCAGAGCCCCGCACCAAATGCTTATTGAACAATGCAGAC
CTCGCCCCCATCACCCAAGGACCTGTGAAATGCGACGTATCAACTCCAGACGCCAGGTATGCTCA
GCCACCCGCCATTCCCATCACAGACATGGCTGAACACATGGAGAGACTCAAAGCCAACGACAGCCTCAA
GCTCTCCAGGAGTATGAGTCCATCGACCTGGCCAGCAGTTCACCTGGGAAACATTCGAACCTGGAGGCC
AACAAAGCAAAGAACCGATACGCCAATGTATCGCCTATGACCATTACAGAGTATCCTGCAGCCTTTAG
AAGGCATCATGGGTAGTATTACATCAATGCCAATATGTGGACGGCTATCGGCGGACAGCAGCATAACAT
CGCCACGACGGGGCCCTGCCTGAGACCTTTGGGACTTCTGGCGGATGGTGTGGGAGCAGCGGTACGCC
ACTGTGGTATGATGACACGGCTGGAGGAGAAATCACGGGTCAAATGTGACCAGTACTGGCCTAACCGAG
GCACCGAGACATACGGCTTCATCCAGGTACCCTACTAGATACTATGGAGCTGGCCACCTTCTGTGTCAG
GACCTTTTCTCTACACAAGAATGGCTCTAGTGAGAAGCGTGAGGTACGACATTTTCAATTACAGCATGG
CCTGACCAGGGGTACCCGAGTACCCACACCCTTCTGGCGTTTCTGCGCAGAGTCAAGACCTGCAACC
CGCCTGACGCTGGCCAGTTGTGGTCCACTGCAGCGGGGTGGGGCGTACTGGCTGCTTATTGTAAT
TGATGCCATGTTGGAGCGCATCAGAACAGAGAAGCGGTGGATGTGTACGGACACGTGACACTCATGCGG
TCACAGCGCAACTACATGGTGCAGACAGAGGATCAGTATAGCTTCCATCCAGAGGACTGCTGGAGGCTG
TGGGCTGTGGCAATACCGAGTCCCCGCGCGCAGCCTTACACCTATATCCAGAAGCTGGCCAGGTGGA
GCCTGGCAGCATGTACAGGAATGGAGCTTGTAGTTCAAGAGGCTTGCCAGCTCAAGGCACACACTTCG
AGATTCATCACTGCCAGCCTGCCTTGAACAAGTTAAGAACCGCTGGTGAACATCCTGCGGTACGAGA
GCTCGCGTGTCTGCCTGCAGCCATTCTGTGGTGTGAGGGCTCTGACTACATCAATGCCAGCTTATCGA
CGGCTACAGACAGCAGAAAGCCTACATTGCAACGAGGGTCCACTGGCAGAGACCACAGAGGACTTCTGG
CGTGCCCTGTGGGAGAACAACTCCACTATTGTGGTAAATGCTCACCAAGCTCCGCGAGATGGGCCGGGAGA
AGTGCCACCAGTACTGGCCAGCTGAACGCTTCCCGCTACCAGTACTTTGTGGTTGACCCGATGGCAGA

GTATAACATGCCACAGTACATTCTGCGTGAGTTTAAGGTCACAGATGCCCGGGATGGCCAGTCCCGGACC
 GTCCGACAGTTCCAGTTCACGGACTGGCCAGAGCAGGGTGCACCCAAGTCAGGGGAAGGCTTCATTGACT
 TCATCGGCCAAGTGCATAAGACCAAGGAGCAGTTTGGCCAGGATGGCCCCATCTCGGTGCACTGTAGTGC
 TGGAGTGGGCAGGACCGGAGTATTCATCACTCTGAGCATCGTCTGGAGCGAATGCGCTACGAGGGGGTG
 GTGGACATTTCCAGACAGTGAAGGTGCTTCGGACCCAGCGCCCTGCCATGGTGCAGACAGAGGATGAGT
 ACCAGTTCTGCTCCAGGCGCGTTGGAATACCTGGGCAGCTTTGATCATTATGCAACA**TAA**

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-NotI

ACCN:

NM_019140

Insert Size:

5592 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_019140.2](#), [NP_062013.1](#)

RefSeq Size:

6040 bp

RefSeq ORF:

5592 bp

Locus ID:

25529

UniProt ID:

[Q64605](#)

Cytogenetics:

9q12

Gene Summary:

has protein tyrosine phosphatase activity; may regulate receptor tyrosine kinases [RGD, Feb 2006]