

Product datasheet for **MC225019**

Ptprf (NM_011213) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptprf (NM_011213) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ptprf
Synonyms: AA591035; LAR; LARS; RPTP-LAR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225019 representing NM_011213
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCCCGAGCCAGCCCCAGGGAGGAGGATGGTGCCCTTGTGCCTGCTCTCGTGATGCTTGGTTTGA
TGGCAGGTGCTCATGGCGACAGCAAACCGTCTTTGTTAAGGTCCCCGAGGACCAGACTGGGCTGTCGGG
AGGGGTGGCCTCCTTCGTGTGCCAAGCCACAGGGGAACCAAGCCTCGAATTACGTGGATGAAGAAGGGG
AAGAAAGTCAGCTCCAGCGCTTTGAGGTAATTGAGTTTGACGATGGAGCAGGGTCAGTGCCTGCCGATCC
AGCCATTACGAGTGCAGCGAGACGAAGCCTATGAGTGCACAGCCACGAACAGTCTCGGGGAGATCAA
CACAAGTGCCAAGCTGTCAGTGTGTTGAAGAGGACCAGTCCCGTCTGGGTTCCCGACTATCGACATGGGA
CCTCAGCTGAAGGTGGTGGAGAAGGGTCGCACTGCCACCATGCTGTGTGCAGCCGGTGGGAACCCAGACC
CTGAGATCTCTTGGTTCAAAGACTTCCTTCCTGTGGACCCTGCTGCAAGCAACGGTCGTATCAAACAGCT
GCGATCAGGTGCATTGCAGATAGAGAGCAGCGAGGAGTCTGACCAAGGCAAGTACGAGTGTGTGGCCACC
AACTCTGCAGGCACACGCTACTCGGCCCCGCCAACCTGTATGTGCGAGTGCCTCGCTGGCTCCTCGTT
TCTCCATCCCTCCAGCAGCCAAGAGGTGATGCCGGCGGCAGCGTGAATCTACATGTGTGGCAGTGGG
CGCGCCCATGCCGATGTGAAATGGATGATGGGCGCCGAGGAAGTACCAAGAGGATGAGATGCCAGTC
GGCCGAAATGTTCTGGAGCTCAGCAATGTCATGCGATCTGCCAACTATACCTGTGTGGCCATCTCTTCAT
TAGGCATGATAGAAGCCACGGCCAGGTCACAGTAAAAGCTCTGCCAAAGCCTCCAATTGATCTTGTGGT
GACAGAGACAACCGCCACCAGTGTACTCTGACATGGGACTCTGGAAATACCGAGCCTGTGCTCTCTAC
GGCATCCAGTACCGCGCAGCTGGCACAGACGGCCCTCCAGGAAGTGGATGGTGTGGCCAGCACCCGAT
ACAGCATTGGTGGCCTCAGCCCCTTTTCGGAATATGCTTCCGTGTGTTGGCTGTTAACAGCATTGGGGC
AGGACCACCCAGTGAGGCAGTGCAGACACGACGGGGAGCAGGCACCCTCCAGCCCTCCGCGCCGTGTG
CAGGCTCGAATGCTTAGCGCCAGCACCATGCTGGTCCAGTGGGAACACCTGAAGAGCCCAATGGCCTGG
TACGGGGATATCGCGTCTACTATACCCAGATTCCCGACGCCCTTTGAGCGCCTGGCACAAGCATAACAC
TGACGCAGGACTCCTTACCACCGTGGGCAGCCTGCTACCTGGCATCACCTACAGCCTCCGAGTCTTGCC
TTCCTGCTGTGGGTGACGGCCACCCAGCCCCACCATCCAAGTCAAGACACAGCAGGGAGTGCCTGCAC



AGCCTGCGGACTTCCAGGCTAACGCTGAGTCGGACACCAGGATCCAGCTCTCGTGGCTGCTGCCCCGCA
 GGAGCGGATCGTCAAGTATGAGCTGGTGTACTGGGCAGCCGAGGATGAGGGCCAGCAGCACAAAGTGACC
 TTCGACCCACCTCCTCTACACTCTGGAGGACCTGAAGCCTGACACATTGTACCACTTCCAGCTGGCTG
 CCCGTTAGATTTGGGGTGGCGTCTTACGCCCACCGTAGAGGCCGTACAGCACAGTCCACCCCATC
 AGCCCCCCCCAGAAGGTGACATGTGTGAGCACGGGCTCCACCACGGTCCGGGTAAGTTGGTTCACCCG
 CCGGCCAGACCCGCAACGGCATTATCACCCAGTACTCCGTGGCCTATGAGGCAGTGGACGGCGAAGACC
 GTAAGCGACATGTGGTGGATGGCATCAGCCGTGAGCATTCCAGCTGGGACCTGCTGGGCTGGAGAAGTG
 GACGGAGTACCGGTGTGGTGCCGGCACACAGATGTGGGCCCTGGCCCTGAGAGCAGCCCGTGTG
 GTGCGCACCGATGAGGACGTGCCTAGCGGGCCACCACGGAAGGTAGAGGTTGAGCCTCTGAACTCCACTG
 CTGTGCATGTCTCCTGGAAGCTGCCCGTCCCCAACAGCAGCACGGACAGATTCTGTGGTACCAGGTCAC
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 CAGGAGACCACCATCAGCGGCTCACCCCGAGACCCTACTCCATCACCGTGCCTACACCACTA
 AGGGGGATGGTGGCCGAGCAAGCCAAAGTGGTACTACAACAGGGGCAGTCCCAGGACGGCCACCAT
 GATGGTACGACCCACGGCCATGCACACCCGCTGCTGCAGTGGCACCCACCAAGGAGCTGCCTGGAGAG
 CTGCTGGGCTACCGTCTCAATACCGGCGGGCCGACGAGGCGCGGCCAACACCATAGACTTTGGCAAGG
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 CCGGGCTGGCCCAGGAGAAGAGTTTGAAGAGATCACCAACCCCGAGGATGTGCCAGTGGCTTTCCT
 CAAAATCTTCAGTGACAGGACTGACCACATCTACCACGGAAGTACCTGGGACCCGCGGTGCTGGCGG
 AGAGGAATGGTACATCACCAACTATACTGTGGTCTACCGTGACATCAACAGCCAGCTTGAACACTACAGAA
 TGTACCAACGACACACACCTTACACTCTTGGGCTTAAACCCGGACACCACTTATGACATCAAGTCCGT
 GCACATACCAGCAAAGGCGCCGCCCTCTCAGCCCCAGCATCCAGTCCCGGACCATGCCCGTGGAGCAAG
 TGTTTGCAGAAATTTCCGTGTGGCCGCTGCAGTGAAGACATCTGTGCTGCTCAGTTGGGAGTCCCCGA
 CTCTTAAAGTCAGTGTGCCCTTCAAGATCCTGTACAATGGGCAGAGCGTGGAGTGGATGGGCACTCG
 ATGCGGAAGCTGATTGCAGACCTGCAACCAACACGGAGTACTCCTTCGCTCTGATGAATCGTGGCAGTA
 GCGCCGGGGCCACAGCACCTGGTGTCCATCCGCACTGCCCGGACCTCCTACCCAGAAAGCCACTGCC
 TGCTCCGCTTTATAGAGGATGGCCGCTTCTCCCTCTCCATGCCTCAAGTGACAGACCCCTCGTAGTC
 AGGTGGTCTACATTGTGGTGGTCCCATGACCGTGTGGGCGGAACTTGTGGACCAAGATGGAACA
 CACCAGAGGAGTTGGAGCTGGACGAGCTTCTGGAGGCCATCGAGCAGGGCGAGGAGAAACAGCGGAGGCG
 CCGGCCAAGCAGAGCGGCTGAAGCCTTATGTGGCGGCCAAGTGGATGTGCTCCCTGACACCTTACC
 CTGGGGGACAAGAAGAGTACCAGGCTTCTACAACCGGCCCTGTCTCCGATCTGAGTTACCAGTGTCT
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 TGTAGTCCAGGTGACGCCAGCACAGCAGGAGGAGCCGAGATGCTGTGGGTGACAGGCCCTGTCTGTG
 GCGGTCACTTCTATCATACTCATTGTATCGCCATCCTCCTGTTCAAGAGGAAGAGAACACACTCCCCAT
 CATCAAAGGATGAGCAGTCAATCGGGCTGAAGGACTCCCTGTTGGCCACTCTTCTGACCCTGTGGAGAT
 GCGAAGGCTTAACTACCAGACCCAGGTATGCGAGACCACCCGCCATCCCCATCACTGACCTGGCAGAC
 AATATTGAGCGCTCAAAGCCAACGATGGGCTCAAGTCTCCAGGAGTATGAGTCCATTGACCCTGGAC
 AGCAGTTCACATGGGAGAATCCAACCTCGGAGGTGAACAAGCCCAAGAACCGCTATGCAATGTCAATTGC
 CTATGACCATTCGAGTCCCTCACCTCCATTGATGGTGTTCCTGGGAGTGACTACATCAATGCCAAC
 TACATTGATGGCTACCGAAAGCAGAATGCCTACATCGCCACACAGGGTCCGCTGCCCGAGACCATGGGCG
 ATTTCTGAGGATGGTGTGGGAACAGCGCACAGCCACAGTGGTCAATGATGACCAGGCTAGAGGAGAAATC
 CCGGGTGAAGTGTGATCAGTATTGGCCAGTCCGTGGCACTGAGACCTATGGCCTCATTAGGTGACCCTG
 GTGGACACTGTGGAGTTGGCCACATACACCATGCGCACCTTGGCCCTCCATAAGAGTGGCTCCAGTGAGA
 AGCGTGAGCTGCGTCAGTTCAGTTCATGGCCTGGCCAGACCACGGCGTTCCTGAGTACCCACTCCCAT
 CTTGGCTTCTGAGACGGTCAAGGCCTGAACCCACTAGATGCGGGGCCATGGTGGTGCATTGCAGT
 GCGGGTGTGGGGCGCACAGGCTGCTTATCGTATCGACGCAATGCTGGAGCGTATGAAGCACGAGAAGA
 CGGTTGACATCTATGGCCAGTGTGACGTGCATGCGCTCACAAAGGAACTACATGGTGCAGACCGAGGACCA
 GTATGTGTTTATCCACGAGGCCCTGCTAGAGGCTGCCATGTGCGGACACACCGAGGTGCTCGCTCGGAAC
 CTCTATGCCACATCCAGAAGCTAGGCCAAGTGCCTCCCGGGGAGAGCGTACCGCCATGGAACCTGAGT
 TCAAGTTGCTGGCCAACCTCAAGGCCACACGTCGCGCTTGTGATGCAACCTGCCCTGCAACAAGTT
 CAAGAACCCTAGTGAACATCATGCCCTATGAGCTGACCCGAGTGTGCTTGAACCCATCCGTGGTGTG
 GAGGGCTCAGACTACATCAATGCCAGCTTCTAGATGGCTACAGACAGCAGAAGGCCATACATAGCTACAC
 AGGGGCCCTGCGCAGAGACACCAGGACTTCTGGCGCATGTTATGGGAGACAATCCACCATCATCGT

CATGCTGACCAAGCTTCGGGAGATGGGCAGGGAGAAATGTCACCAGTACTGGCCAGCAGAGCGCTCCGCT
 CGCTATCAGTACTTCGTTGTTGACCCGATGGCTGAGTACAACATGCCCCAGTATATTCTGCGTGAATTCA
 AAGTCACAGACGCCCGGATGGGCAGTCAAGGACAATCCGACAGTTCCAGTTTACAGACTGGCCAGAGCA
 AGGAGTACCCAAAACAGGTGAAGGCTTCATCGACTTCATCGGGCAGGTGCACAAGACAAAGGAGCAGTTT
 GGCCAGGATGGGCCCATCACGGTGCAGTGCAGTGTGGTGTGGGCCGACCGGTGTGTTTCATCACCTGA
 GCATTGTCCTGGAGCGCATGCGGTATGAGGGTGTGGTTGACATGTTCCAGACCGTGAAGACCCTCCGCAC
 ACAGCGCCCTGCAATGGTGCAGACAGGACCAATACCAGCTGTGCTACCGTGCCGCCCTGGAATACCTC
 GGCAGCTTTGATCACTATGCAACGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_011213

Insert Size:

5697 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.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_011213.2, NP_035343.2

RefSeq Size:

7648 bp

RefSeq ORF:

5697 bp

Locus ID:

19268

UniProt ID:

A2A8L5

Cytogenetics:

4 D2.1

Gene Summary: Possible cell adhesion receptor. It possesses an intrinsic protein tyrosine phosphatase activity (PTPase) and dephosphorylates EPHA2 regulating its activity (By similarity).[UniProtKB/Swiss-Prot Function]