

Product datasheet for MR222818

Ptprf (NM_011213) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprf (NM_011213) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptprf
Synonyms:	AA591035; LAR; LARS; RPTP-LAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222818 representing NM_011213 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCCGAGCCAGCCCCAGGGAGGAGGATGGTGCCCTTGTGCCTGCTCTCGTGATGCTTGGTTTGA
TGGCAGGTGCTCATGGCGACAGCAAACCCGTCTTTGTTAAGGTCCCCGAGGACCAGACTGGGCTGTCGGG
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CCTCAGCTGAAGGTGGTGAGAAGGGTCCGACTGCCACCATGCTGTGTGCAGCCGGTGGGAACCCAGACC
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TTCACTGCTGTGGGTGACGGCCACCCAGCCCCACCATCCAAGTCAAGACACAGCAGGGAGTGCCTGCAC
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Protein Sequence:

>MR222818 representing NM_011213
 Red=Cloning site Green=Tags(s)

MAPEPAPGRRMVPLVPALVMLGLMAGAHGDSKPVFVKVPEDQTGLSGGVASFVCQATGEPKPRITWMKKG
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 GRNVLELSNMRSANYTCVAISSLGMIEATAQVTVKALPKPIDLVVTTTATSVTLTWDSGNTEPVSYFY
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 SAGVGRGCFIVIDAMLERMKHEKTVDIYGHVTCMRSQRNYMVQTEDQYVFIHEALLEAAMCGHTEVLAR
 NLYAHIQKLGQVPPGESVTAMELEFKLLANSKAHTSRFVSANLPCNKFNRLVNIIMPYELTRVCLQPIRG
 VEGSDYINASFLLDGYRQQKAYIATQGPLESTEDFWRMLWEHNSTIIIVMLTKLREMGREKCHQYWAERS
 ARYQYFVVDPMAYNMPQYILREFKVTDARDGQSRTIRQFQTDWPEQGVPKTGEGFIDF IGQVHKTKEQ
 FGQDGPITVHCSAGVGRGTVFITLSIVLERMRYEGVDMFQTVKTLRTQRPAMVQTEDQYQLCYRAALEY
 LGSFDHYAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9011_b06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_011213

ORF 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

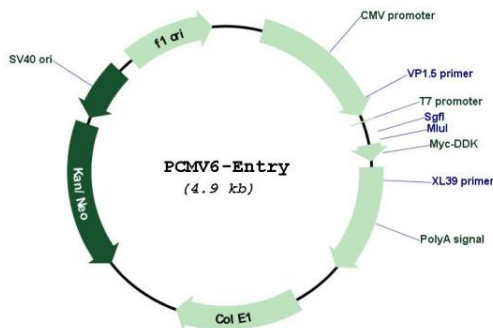
UniProt ID: [A2A8L5](#)

Cytogenetics: 4 D2.1

MW: 211.9 kDa

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]

Product images:



Circular map for MR222818