

Product datasheet for MR211395

Ptprm (BC058614) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprm (BC058614) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptprm
Synonyms:	mKIAA4044, RPTPmu
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211395 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAGGACACTTGGGACTTGCCTGGTGACTTTAGCTGGACTTTTGCTAACTGCGGCCGAGAAACATTTT
CAGGTGGCTGCCTCTTTGATGAACCATACAGCACATGTGGATATAGTCAAGCTGACGAAGATGACTTCAA
CTGGGAGCAGGTGAACACCCTGACCAACCAGCTCTGACCCCTGGATGCCATCAGGCTCCTTCATGCTG
GTCAACACTTCTGGAAACCAGAAGGCCAGAGAGCTCACCTGCTCCTGCCTCAGCTTAAGGAAAATGACA
CCCCTGCATCGACTTTCCTACTTTGTATCCAGCAAGAGTAACGCTGCTCCTGGGTTGCTCAATGTCTA
TGTGAAGGTGAATAATGGACCACTGGGGAATCCCATCTGGAACATATCCGGAGACCCACCCGCAGTGG
CACAGGGCAGAGCTGGCCATCAGCACGTTCTGGCCCAACTTTTACCAGGTGATTTTTGAAGTGGTGACCT
CTGGCCATCAAGGCTACCTTGCTATCGATGAAGTTAAGGTCTTAGGACTCCCGTGACAAGAAGTCCCA
CTTCTGCGGATTCAGAACGTGGAGGTGAATGCCGGCCAGTTTGCTACCTCCAGTGCAGCGCCATAGGC
AGGACAGTGGCTGGGACCGGCTCTGGCTGCAGGGAATTGATGTCCGAGATGCCCTCTGAAGGAGATAA
AGGTGACTAGTTCCAGAAGATTCATAGCCTCATTAACGTTGTAACACGACCAAGAGAGACGCTGGGAA
GTACCGCTGCATGATTTGCACGGAAGGAGGTGTCCGGATATCAAACACGAGAATTGGTAGTTAAAGAG
CCACCTGTTCCCATCGCCCCACCTCAGCTCGCCTCTGTGCGAGCAACCTATCTGTGGATACAGCTCAATG
CCAATCCATCAATGGGACGGACCCATTGTGGCCCGCAGGTTGAGTACTGCACAGCCAGCGGGAGCTG
GAATGATCGGCAGCCAGTGGATTCCACGAGTTACAAGATTGGGCACCTTGACCCAGACACAGAGTATGAG
ATCAGTGTGCTTCTTACCAGACCAGGAGAAGGCGGCACTGGGTCTCCCGGCCAGCTCTGAGAACAAGGA
CAAAGTGTGCCGATCCCATGCGGGGCCGAGAAAAGTGAAGTTGTGGAGGTCAAATCTCGACAAATCAC
CATCCGCTGGGAGCCGTTTGGATACAATGTAACCTGTTGCCACAGTTATAATCTCACAGTGCATATGGT
TACCAGGTGGGAGGCCAGGAGCAGGTGCGAGAAGAAGTGAAGTGGGATACAGATAACTCCCACCTCAGC
ACACCATACCAACCTGTCCCGTACCAACGTCAGCGTGAAGCTTATTCTGATGAACCCGGAGGGTCCG
CAAGGAAAGCCAAGAAGTACCGTGCAGACGGATGAAGACCTCCAGGAGCTGTCCCACTGAATCCATC



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CAAGGCAGTGCCTTTGAAGAGAAGATATTTCTTCAGTGGAGAGAGCCGACACAAAACATATGGGGTCATCA
 CTTTATATGAGATCACCTACAAAGCAGTCAGTTCTTTGACCCGGAAATAGATTTATCCAACCAAAGTGG
 GCGAGTTTCAAACCTGGGAAATGAAACCCATTTCTGTCTTTGGCCTGTATCCTGGAACGACGACTCC
 TTCACCATCAGAGCCAGCACAGCGAAGGGGTTCCGACCTCCGGCAACAAACCAGTTCACCACAAAATAT
 CAGCACCATCCATGCCAGCCTATGAATTTGAGACACCTTTGAATCAGACTGATAATACAGTGACTGTGAT
 GCTGAAACCTGCACAAAGCAGAGGGGCTCCAGTCAGTGTCTATCAAATCGTTGTTGAGGAAGAAGCCTCT
 CGGAACTAAGAAGACAACAGAGATCTTGAAGTGTACCCGGTGCCAATTCACCTCCAGAATCGCTCCA
 TCCTGAACTCACAGTACTACTTTGCTGCAGAAATTCCTGCAGACAGCCTCCAAGCTGCTCAACCATTAC
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 CCTATTACCCAGATGAGACCCACACAATGGCCAGTGACACCAGCAGCCTGGCACAGCCCCATACTTATAA
 GAAACGCGAGGCCGAGACGTGCCTTACCAGACTGGGCAGCTTCAACCCGGCCATCCGTGTGGCAGACCTC
 CTCCAACACATCACTCAGATGAAGTGGCTGAGGGCTATGGCTTCAAGGAGGAGTATGAGAGCTTCTTG
 AAGGACAGTCTGCACCGTGGGACTCTGCTAAGAAAAGACGAGAACAGAATGAAGAACAGATACGGGAACAT
 CATTGCATCCATGCCGAGCTCCGAGCAGATTGATGAGCCCCCTTCTCCAGGGCTCGGACCATCCATTCT
 CTGTGTTCAACTGCTCCGAGTCATTCAGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence:

>MR211395 protein sequence
 Red=Cloning site Green=Tags(s)

MRTLGTCLVTLAALLTAAGETFSGGCLFDEPYSTCGYSQADEDDFNWEQVNTLTKPTSDPWMPSGSFM
 VNTSGKPEGQRAHLLLPQLKENDTHCIDFHYFVSSKSNAPGLLNYYVKVNNGPLGNPIWNI SGDPTRTW
 HRAELAI STFWPNFYQVIFEVVTSGHQGYLAIDEVKVLGLPCTRTPHFLRIQNVEVNAGQFATFQCSAIG
 RTVAGDRLWLQIDVRDAPLKEIKVTSSRRFIASFNVVNTTKRDAGKYRCMICTEGGVI SNYAELVVE
 PPVPIAPPQLASVGATYLIQLNANSINGDGPVAREVEYCTASGSWDRQPVDSTSYKIGHLDPDTEYE
 ISVLLTRPGEGETGSPGALRTRKCADPMRGRKLEVVVKSQITIRWEPFGYNVTRCHSYNLTVHYG
 YQVGGQEQVREEVSWDTDNSHPQHTITNLSPYTNVSVKLILMNPEGRKESQELTVQDDELPGAVPTESI
 QGSFAFEKIFLQWREPTQTYGVITLYEITYKAVSSFDEIDL SNQSGRVSKLGNETHLFFGLYPGTTYS
 FTIRASTAKGFGPPATNQFTTKISAPSMPAYEFETPLNQDNTVTVMLKPAQSRGAPVSVYQIVVEEERP
 RRTKKTTEILKCYVPVIHFQNASILNSQYYFAEFPADSLQAAQPFTIGDNKTYNGYWNTPLLPHKSYRI
 YYQAASRANGETKIDCVRVATKGA VTPKPVPEPEKQTDHTVKIAGVIAGILLFVIIFLGVVLMKRSVI
 THFRSIERLLGEEEQSAASEKMKLAKKRKETSSTRQEMTMVNSMDKSYAEQGTNCDEAF SFGMTHNLN
 GRSVSSPSSFTMKTNTLSTVSPNSYYPDEHTMASDSSLAQPHYKREAADVPYQTGQLHPAIRVADL
 LQHITQMKCAEGYGFKEEYESFFEGQSAPWDSAKKDENRMKNRYGNIIASMPSEQIDEPSPRARTIHS
 LCSTAPSHSG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC058614

ORF Size: 2970 bp

OTI Disclaimer: 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:

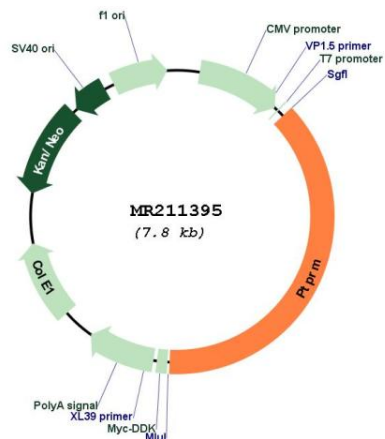
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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: [BC058614](#), [AAH58614](#)

RefSeq Size: 3797 bp

RefSeq ORF:	2972 bp
Locus ID:	19274
Cytogenetics:	17 37.88 cM
MW:	109.9 kDa
Gene Summary:	Involved in cell-cell adhesion through homophilic interactions. May play a key role in signal transduction and growth control.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211395