

Product datasheet for MR227280

Ptprc (NM_011210) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptprc (NM_011210) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ptprc
Synonyms: B220; Cd45; CD45R; L-CA; loc; Ly-5; Lyt-4; T200
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227280 representing NM_011210
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACCATGGGTTTGTGGCTCAAACCTTCTGGCCTTTGGATTTGCCCTTCTGGACACAGAAGTCTTTGTCA
 CAGGGCAAACACCTACACCCAGTGATGGTGCCAGCCTCACAACCTTACACCATCCACTCTGGGCCTTGC
 AAGCACTGACCTCCAAGCACAACCATAGCTACCACAACGAAGCAAACATGTGCTGCCATGTTTGGGAAC
 ATTACTGTGAATTACACCTATGAATCTAGTAATCAGACTTTTAAGGCAGACCTCAAAGATGTCCAAAATG
 CTAAGTGTGAAAATGAGGATTGTGAAAACGTGTTAAATAATCTAGAAGAATGCTCACAGATAAAAAACAT
 CAGTGTGTCTAATGACTCATGTGCTCCAGCTACAACCTATAGATTTATATGTACCACCAGGGACTGACAAG
 TTTTCGCTACATGACTGCACACCAAAAAGAAAAGGCTAATACTTCAATTTGTTTGGAGTGGAAAAACAAAA
 ACCTTGATTTTCAGAAAATGCAACAGTGACAATATTTTCATATGTAATGACTCCACTGTGAGCCAGAAAATAATAC
 AAAATGCATTAGAAGAAATACATTCATACCTGAAAGATGTGAGTTGGACAACCTTCGTGCCCAAAACAAAT
 TACACATGTGTAGCAGAAATCTTATATCGCGGTGTAACCTCGTCAAAAATGTTATAAATGTGCAGACAG
 ATTTGGGGATTCCAGAAACGCCTAAGCCTAGTTGTGGGGATCCAGCTGCAAGAAAACGTTAGTCTCTTG
 GCCTGAGCCTGTATCTAAACCTGAGTCTGCATCTAAACCCATGGATATGTTTTATGCTATAAGAACAAT
 TCAGAAAATGTAAAAGTTTGCCTAATAATGTGACCAGTTTGGAGTGGAAAGCTTGAACCTTATAAAT
 ACTATGAAGTGTCCCTACTTGCCTATGTCAATGGGAAGATTCAAAGAAATGGGACTGCTGAGAAGTGCAA
 TTTTCACACAAAAGCAGATCGTCCGGACAAAGTCAATGGAATGAAAACCTCCCGGCCGACAGACAATAGT
 ATAAATGTTACATGTGGTCTCCTTATGAAACTAATGGCCCTAAAACCTTTTACATTTTGGTAGTCAGAA
 GTGGAGGTTCTTTTGTACAAAATACAACAAGACAAACTGTGAGTTTATGTAGATAATCTCTACTATTC
 AACTGACTATGAGTTTCTGGTCTCTTTTCAACAATGGAGTGTACGAGGGAGATTGAGTTATAAGAAATGAG
 TCAACAAATTTAATGCTAAAGCACTGATTATATTCCTGGTGTCTGATTATTGTGACATCAATAGCCT
 TGCTTGTGTTTTGTATAAAATCTATGATCTGCGCAAGAAAAGATCCAGCAATTTAGATGAACAACAGGA
 ACTCGTTGAAAGGGATGATGAAAAGCAGCTGATGGATGTGGAGCCAATCCATTCTGACATTTTGTGGAA

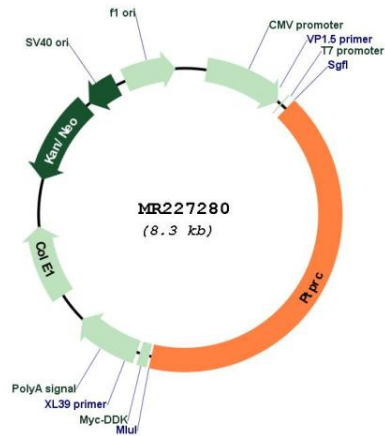


ACATACAAAAGGAAGATTGCTGATGAGGGCAGACTGTTCTGGCTGAATTCAGAGCATTCCACGGGTAT
TCAGCAAGTTTCCCATCAAAGATGCCCGAAAGCCCCACAATCAGAATAAAAAACGGTTATGTTGACATTCT
TCCCTATGATTATAACCGTGTGGAACCTCTCTGAAATAAATGGAGATGCAGGGTCCACCTACATAAATGCC
AGCTACATTGATGGCTTCAAGGAACCCAGGAAATACATTGCTGCACAAGGGCCCCGGGATGAGACAGTTG
ATGACTTCTGGAGGATGATCTGGGAGCAAAAGGCCACAGTTATTGTCATGGTCACACGATGTGAAGAAGG
AAACAGGAACAAGTGCAGCAATACTGGCCAAGCATGGAGGAAGGCACTCGGGCTTCAAAGATATTGTT
GTGACAAATCAATGACCACAAACGATGTCCTGATTACATCATTGCAAGCTGAACGTTGCACATAAAAAAG
AAAAAGCAACTGGAAGAGAAGTGACTCATATCCAATTCACCAGCTGGCCAGACCATGGGGTTCCTGAAGA
CCCTCACCTGCTCCTCAAACCTCGACGGAGAGTTAATGCTTTTAGCAACTTCTTCAGTGGTCCCATTGTG
GTGCACTGCAGTGTGGTGTGGGCGTACAGGTACCTACATTGGAATTGATGCCATGCTGGAAGGCTGG
AAGCAGAGGGCAAAGTGGATGTCTATGGTTATGTTGTCAAGCTAAGGCGACAGAGGTGTCTGATGGTGCA
AGTGGAGGCACAGTATATCCTGATTCATCAGGCTTTAGTGAATACAATCAGTTTGGAGAAAACAGAAGT
AACTTGTCTGAGTTACATTCATGCCTACACAACATGAAGAAGAGAGATCCACCCAGTGACCCCTCCCCTC
TGGAGGCTGAATACCAGAGACTTCTTCATACAGGAGTTGGAGGACACAGCACATTGGAATCAAGAAGA
AAATAAGAAGAAGAACAGGAATTCTAATGTTGTTCCATATGACTTTAACAGAGTGCCACTAAGCATGAA
CTGGAGATGAGCAAAGAGAGTGACCTGAATCAGATGAGTCTTCAGATGATGACAGTGACTCAGAAGAAA
CCAGCAAATACATTAATGCATCCTTTGTGATGAGTTACTGGAAACCAGAAATGATGATTGCTGCTCAGGG
GCCACTAAAAGAAACGATCGGTGACTTTTGGCAGATGATATCCAAAGAAAAGTCAAAGTTATTGTGATG
TTGACAGAGTTAGTGAATGGAGACCAGGAAGTCTGTGCTCAGTACTGGGGCGAAGGAAAGCAGACTTATG
GAGACATGGAAGTGGAGATGAAAGACACAACAGAGCCTCAGCCTACACTCTCCGAACCTTTGAGCTGAG
ACATTCGAAGAGGAAGGAGCCAGAAGTGTGTACCAGTACCAGTGTACCACATGGAAAGGGGAAGAGCTG
CCTGCAGAACCCAAAGACCTGGTGTCTATGATTCAGGACCTCAAACAGAAGCTTCCCAAGGCTTCCCAG
AAGGGATGAAGTATCACAAGCATGCATCCATCCTCGTCCACTGCAGAGATGGATCCAGCAGACAGGGTT
GTTCTGTGCCTTGTCAATCTCTTGAAAAGTGCAGAAAACAGAAGATGTGGTTGATGTTTTCAAGTGGTA
AAGTCTCTACGCAAAGCACGGCCTGGGGTGGTGTGCAGCTATGAGCAATACCAGTTCCTCTATGACATCA
TCGCCAGCATCTATCCC GCCAGAAATGGACAAGTCAAGAAAAACAACAGCCAAGACAAAATTGAATTTCA
TAATGAAGTGGATGGAGGCAAGCAGGATGCTAACTGTGTCCGTCCAGATGGTCTCTGAATAAAGCCCAG
GAAGACAGCAGAGGGGTGGGAACCCGGAGCCTACCAATAGTGTGAGGAACCAGAACATGCTGCCAATG
GTTCTGCGAGCCAGCTCAACCCAGAGTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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:	<ol style="list-style-type: none">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_011210.4 , NP_035340.3
RefSeq Size:	5247 bp
RefSeq ORF:	3465 bp
Locus ID:	19264
UniProt ID:	P06800
Cytogenetics:	1 60.73 cM
MW:	131.3 kDa
Gene Summary:	Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN (By similarity). Dephosphorylates LYN, and thereby modulates LYN activity. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227280