

Product datasheet for MC209265

Ptprr (NM_001161840) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptprr (NM_001161840) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ptprr
Synonyms: Gmcp1; mPTP213; PTP-SL; PTPBR7; RPTPRR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209265 representing NM_001161840
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATTATTTACAGGTTAAAAGAAAGGCTTCAGCTTTCCTTAAGACAAGATAAAGAGAAAAACCAGGAGA
 TCCACCTATACCCATTGCACGGCAGCAAGCACAATCGGAGGCCAAGACGACCCACAGCATGGTCCAGCC
 CGATCAGGCGCCAAAGGTGCTGAACGTGGTTGTGGACCCTCAAGGCCAATGCACTCCTGAGATTCGAAAC
 AGCACCTCCACCTCTGTCTGCCCTTCTCCCTCAGAATGAAGCCATAGGACTCCAGGAGCGACGAGGTT
 CCAATGTATCTTACGCTGGACATGAGTAGCCTGGGCAGTGTGGAACCTTTGTGGCCGCTCAACCCC
 CCGGGAGAAGGTAGCCATGGAATACCTGCAGTCAGCCAGCCGAGTTCTCACACGGTCACAGCTGAGGGAC
 GTCGTGGCAAGTCCCACCTACTCAAAGTGAATTCATGGAAATACCAATGAATTTGTGGATCCCAAAG
 AAATTGATATCCACGTCACGGAATAAAAAATCGTTATAAGACCATTTTGCCAAATCCCCTCAGCAGAGT
 GTGCTTAAGACCAAAAAATAAACCATTCTTGAGTACTTACATAAATGCTAACTATATCGGGGCTAC
 AGTGGTAAGGAGAAAGCCTTCATTGCCACCCAGGGCCCATGATCAACACTGTGAATGACTCTGGCAGA
 TGGTGTGGCAAGAAGACAGTCCCGTGATTTGTGATGATCACGAACTCAAAGAGAAAAATGAGAAATGTGT
 GCTCTACTGGCCAGAAAAGAGAGGGATTTACGGCAAGTTGAGGTTCTGGTCACCGGTGTGACCGAATGT
 GATAACTACACCATCCGCAACCTCGTCTTAAAGCAAGGAAGTCACACCCAACATGTGAAGCACTACTGGT
 ACACCTCATGGCCGGATCATAAGACTCCAGACAGTGCCAGCCCTTCTGCAGCTCATGTTGGATGTGGA
 AGAAGACAGACTGGCCTCTGAAGGCCGAGGGCCTGTGGTTGTCCACTGCAGTGCGGGGATTGGGAGAACT
 GGGTGTTCATCGCTACATCCATTGGCTGTCAACAATTGAAAGAAGAAGGAGTTGTAGACGCACTAAGTA
 TTGTCTGCCAGCTTCGTGTAGACAGGGTGGTATGGTCCAACCAGCGAGCAGTATGAATTTGTGCCA
 TGCTCTGTGCCTGTTGAGAGCAGACTTCCACGAAACTGTCGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001161840
Insert Size:	1239 bp
OTI Disclaimer:	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:	<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:	<u>NM_001161840.1</u> , <u>NP_001155312.1</u>
RefSeq Size:	2700 bp
RefSeq ORF:	1239 bp
Locus ID:	19279
UniProt ID:	<u>Q62132</u>
Cytogenetics:	10 D2
Gene Summary:	<p>Sequesters mitogen-activated protein kinases (MAPKs) such as MAPK1, MAPK3 and MAPK14 in the cytoplasm in an inactive form. The MAPKs bind to a dephosphorylated kinase interacting motif, phosphorylation of which by the protein kinase A complex releases the MAPKs for activation and translocation into the nucleus. Isoform gamma may have a role in patterning and cellular proliferation of skeletal elements in the precartilaginous/cartilaginous skeleton.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (c) is shorter at the N-terminus compared to isoform a.</p>