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Product datasheet for MC209263

Ptprr (NM_001161838) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprr (NM_001161838) 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

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Fully Sequenced ORF:

>BC119230
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAGAGCGGTCGGCTTCCCTGCGCTGTGCCTGCTTCTTAATCTTCATGCTGCAGGTTGTTTTTCCA
GAAACAATGATCACTTTTTGGCTATTCGTCAAAAGAAGAGTTGGAAGCCGGTGTTCATTTATGACCATTC
ACAGGATATCAAGAAGAGCCTGGACATCGCACAAGAGGCATACAAACATAACTACCACTCCCCTTCCGAA
GTTCAAATAAGCAAACATCACCAGATTATTAATTCAGCATTTCCTAGACCTGCATATGACCCGTCTCTTA
ATCTGTTGGCTGAGTCTGATCAAGATCTTGAAATAGAAAATCTCCCAATTCCAGCAGCAAATGTGATTGT
GGTGACACTGCAAATGGATATAACCAAGCTGAACATAACCCTGCTTCGGATCTTCCGCCAAGGAGTAGCT
GCAGCCCTGGGACTCTTACCTCAGCAAGTGCACATTAACCGGCTCATTGAAAAGAAGAACCAGGTTGAGT
TGTTTGTGTCTCCCGGAAACCGGAAACCAGGAGAAACGCAGGCCCTGCAGGCTGAGGAAGTGCTGCGTTC
CCTCAATGTGGATGGTTTGCATCAGAGTTTACCACAGTTTGGAATTACAGACGTCGCCCCTGAGAAAAAT
GTTTTACAAGGGCAGCACGAAGCAGACAAGATCTGGAGCAAAGAAGGATTTTACGCTGTCGTCATCTTCC
TCAGCATCTTTATCATCATAGTAACCTGTTTGATGATTATTTACAGGTTAAAAGAAAGGCTTCAGCTTTC
CTTAAGACAAGATAAAGAGAAAAACCAGGAGATCCACCTATCACCCATTGCACGGCAGCAAGCACAATCG
GAGGCCAAGACGACCCACAGCATGGTCCAGCCCGATCAGGCGCCAAAGGTGCTGAACGTGGTTGTGGACC
CTCAAGGCCAATGCACTCCTGAGATTCGAAACAGCACCTCCACCTCTGTCTGCCCTTCTCCCTTCAGAAT
GAAGCCCATAGGACTCCAGGAGCGACGAGGTTCCAATGTATCTCTTACGCTGGACATGAGTAGCCTGGGC
AGTGTGGAACCCTTTGTGGCCGTCTCAACCCCCCGGGAGAAGGTAGCCATGGAATACCTGCAGTCAGCCA
GCCGAGTTCTCACACGGTCACAGCTGAGGGACGTCGTGGCAAGTTCCCACCTACTTCAAAGTGAATTCAT
GGAAATACCAATGAATTTTGTGGATCCCAAAGAAATTGATATTCCACGTCACGGAACTAAAAATCGTTAT
AAGACCATTTTGCCAAATCCCCTCAGCAGAGTGTGCTTAAGACCAAAAAATATAACCGATTCCTTGAGTA
CTTACATAAATGCTAACTATATTCGGGGCTACAGTGGTAAGGAGAAAGCCTTCATTGCCACCCAGGGCCC
CATGATCAACACTGTGAATGACTTCTGGCAGATGGTGTGGCAAGAAGACAGTCCCGTGATTGTGATGATC
ACGAAACTCAAAGAGAAAAATGAGAAATGTGTGCTCTACTGGCCAGAAAAGAGAGGGATTTACGGCAAGG
TTGAGGTTCTGGTCACCGGTGTGACCGAATGTGATAACTACACCATCCGCAACCTCGTCTTAAAGCAAGG
AAGTCACACCCAACATGTGAAGCACTACTGGTACACTTCATGGCCGGATCATAAGACTCCAGACAGTGCC
CAGCCCCTTCTGCAGCTCATGTTGGATGTGGAAGAAGACAGACTGGCCTCTGAAGGCCGAGGGCCTGTGG
TTGTCCACTGCAGTGCGGGGATTGGGAGAACTGGGTGTTTCATCGCTACATCCATTGGCTGTCAACAATT
GAAAGAAGAAGGAGTTGTAGACGCACTAAGTATTGTCTGCCAGCTTCGTGTAGACAGGGGTGGTATGGTC
CAAACCAGCGAGCAGTATGAATTTGTGCACCATGCTCTGTGCCTGTTCGAGAGCAGACTTTCACCAGAAA
CTGTCGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001161838

Insert Size: 1971 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).

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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:	BC119230, AAI19231
RefSeq Size:	2397 bp
RefSeq ORF:	1239 bp
Locus ID:	19279
UniProt ID:	Q62132
Cytogenetics:	10 D2
Gene Summary:	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] Transcript Variant: This variant (3) 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.

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