

## Product datasheet for **MR230471**

### **Ptprr (NM\_001161837) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptprr (NM_001161837) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptprr
Synonyms:	Gmcp1; mPTP213; PTP-SL; PTPBR7; RPTPRR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>MR230471 representing NM\_001161837  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCATCGCAACACTCGGTCAGTTTCCACACCGACTGCAAATGGATATAACCAAGCTGAACATAACCC  
 TGCTTCGGATCTTCCGCCAAGGAGTAGCTGCAGCCCTGGGACTCTTACCTCAGCAAGTGCACATTAAACCG  
 GCTCATTGAAAAGAAGAACCAGGTTGAGTTGTTTGTGTCTCCCGAAAACCGAAAACAGGAGAAACGCAG  
 GCCCTGCAGGCTGAGGAAGTGTGCGTTCCCTCAATGTGGATGGTTTGCATCAGAGTTTACCACAGTTTG  
 GAATTACAGACGTCGCCCTGAGAAAAATGTTTTACAAGGCGAGCACGAAGCAGACAAGTCTGGAGCAA  
 AGAAGGATTTTACGCTGTCGTCATCTTCTCAGCATCTTATCATCATAGTAACCTGTTTGTGATTATT  
 TACAGGTTAAAAGAAAGGCTTCAGCTTTCCTTAAGACAAGATAAAGAGAAAAACCGAGATCCACCTAT  
 CACCCATTGCACGGCAGCAAGCACAATCGGAGGCCAAGACGCCACAGCATGGTCCAGCCCGATCAGGC  
 GCCAAAGGTGCTGAACGTGGTTGTGGACCCTCAAGGCCAATGCACTCCTGAGATTCGAAACAGCACCTCC  
 ACCTCTGTCTGCCCTTCTCCCTCAGAATGAAGCCATAGGACTCCAGGAGCGACGAGGTTCCAATGTAT  
 CTCTTACGCTGGACATGAGTAGCCTGGGCAAGTGTGGAACCTTTGTGGCCGTCTCAACCCCCGGGAGAA  
 GGTAGCCATGGAATACCTGCAGTCAGCCAGCCGAGTTCTCACACGGTCACAGCTGAGGGACGTCGTGGCA  
 AGTTCCCACCTACTTCAAAGTGAATTCATGGAAATACCAATGAATTTTGTGGATCCCAAAGAAATTGATA  
 TTCCACGTCACGGAACAAAAATCGTTATAAGACCATTTTGCCAAATCCCTCAGCAGAGTGTGCTTAAG  
 ACCAAAAATATAACCGATTCTTGAGTACTTACATAAATGCTAACTATATTCGGGGCTACAGTGGTAAG  
 GAGAAAGCCTTCATTGCCACCCAGGGCCCATGATCAACACTGTGAATGACTTCTGGCAGATGGTGTGGC  
 AAGAAGACAGTCCCGTATTGTGATGATCACGAAACTCAAAGAGAAAAATGAGAAATGTGTCTACTG  
 GCCAGAAAAGAGAGGGATTACGGCAAGTTGAGGTTCTGGTCACCGGTGTGACCGAATGTGATAACTAC  
 ACCATCCGCAACCTCGTCTTAAAGCAAGGAAGTACACCCAACATGTGAAGCACTACTGGTACACTTCAT  
 GGCCGGATCATAAGACTCCAGACAGTGCCAGCCCTTCTGCAGCTCATGTTGGATGTGGAAGAAGACAG  
 ACTGGCCTCTGAAGGCCGAGGGCCTGTGGTTGTCCACTGCAGTGCAGGGATTGGGAGAAGTGGTGTTC  
 ATCGCTACATCCATTGGCTGTCAACAATTGAAAGAAGAAGGAGTTGTAGACGCCTAAAGTATTGTCTGCC  
 AGCTTCGTGTAGACAGGGGTGGTATGGTCAAACCAGCGAGCAGTATGAATTTGTGACCATGCTCTGTG  
 CCTGTTGAGAGCAGACTTCCACGAAACTGTGCGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230471 representing NM\_001161837  
 Red=Cloning site Green=Tags(s)

MHRNTRSVSTPTLQMDITKLNITLLRIFRQGVAAALGLLPQQVHINRLIEKKNQVELFVSPGNRKPGETQ  
 ALQAEVLRSLNVDGLHQSLPQFGITDVAPEKNVLQGGHEADKIWSKEGFYAVVIFLSIFIIIVTCLMII  
 YRLKERLQLSLRQDKEKNQEIHLSPIARQQAQSEAKTTHSMVQPDQAPKVLNVVDPQGGCTPEIRNSTS  
 TSVCPSPFRMKPIGLQERRGSNVSLLDMSSLGSVEPFVAVSTPREKVAMEYLQSASRVLTRSQRDVVA  
 SSHLLQSEFMEIPMNFVDPKEIDIPRHGTKNRYKTILPNPLSRVCLRPKNITDSLSTYINANYIRGYSK  
 EKAFIATQGPMTINTVNDFWQMVWQEDSPVIMITKLKEKNEKCVLYWPEKRGYKVEVLVTGVTECDNY  
 TIRNLVLKQGSHTQHVKHYYWYTSWPDHKTPDSAQPLLQLMLDVEEDRLASEGRGPVVVHCSAGIGRTGCF  
 IATSIGCQQLKEEGVVDALSIVCQLRVDRGGMVQTSEQYEFVHHALCLFESRLSPETVE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

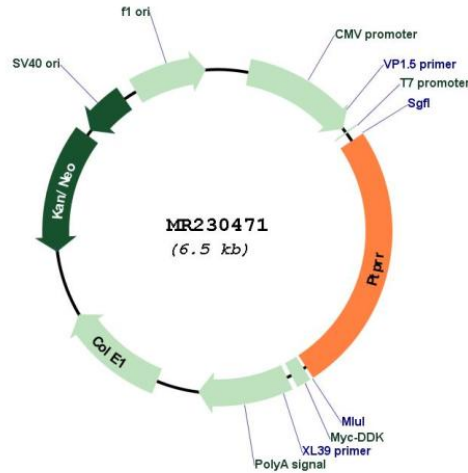
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001161837
<b>ORF Size:</b>	1647 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001161837.1</a> , <a href="#">NP_001155309.1</a>
<b>RefSeq Size:</b>	2860 bp
<b>RefSeq ORF:</b>	1650 bp
<b>Locus ID:</b>	19279
<b>UniProt ID:</b>	<a href="#">Q62132</a>
<b>Cytogenetics:</b>	10 D2
<b>MW:</b>	62.4 kDa
<b>Gene Summary:</b>	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]