

## Product datasheet for **MC222353**

### **Pdpr (NM\_198308) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pdpr (NM_198308) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdpr
Synonyms:	4930402E16Rik; AU018056; mKIAA1990
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC222353 representing NM\_198308  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTTTACCGTTGCTCTCTATTGTGCAAAGACAAAGGACTAGCCAGGATGGCAGACCTGGTCATCAG  
 CGAGAAGCAGCAGTCCACTGCGGAGGCACATTCTATTGCTCTGCCTGCCAGGCCAGGTGGTCATCTG  
 TGGAGGTGGAATCATGGGTACATCCGTGGCCTATCACCTCTCCAAAATGGGATGGCAAGATATTGCCTT  
 TTGGAGCAGGGCAGGCTGGCTGCTGGCTCAACAAGTTCTGTGCTGGCATCCTAAGCACTGCTAGGCATT  
 CAAGCGTTGAGCAGAAGATGGCTAACTATTCAAACAACTCTACCATCAGTTAGAACAAGAAACAGGGAT  
 CCAAACAGGTTACTTAAGGACAGGCTCAATCTCTGCCCCAGACTCAGGACCGTTGATCTCTCTGAAG  
 CGTATCAACTCAAGGCTGAATGTTGTAGGTATCCCTTCTGAGATCATCCCCGAAGAAAGTGGCTGAAC  
 TTCACCCTCTCTCAATGTGCATGATCTGGTCGGGGCCATGTACGTTCTGAGGATGCAGTAGTGTCCCTC  
 TGCTGATGTGGCTCTGGCCCTGGCAAGTCTGCCTCCAGAATGGTGTTTCAAGTTATGACCGGACAAGT  
 GTTCTTACGTAAGTCAAAAAAGGTCAGTTACTGGTGTGGAGACAGACAAAGGACAGATCGAATGCC  
 AGTATTTTGTCAACTGTGCCGGGCAAGTGGGCATATGAGCTGGGTCTGTCCAACGAGGAGCCGCTTAGTAT  
 CCCGCTACACGCCTGTGAACACTTCTACCTTCTGACTCGTCCCTGGGACACCCCTCTGCAGAGCAACACA  
 CCAACCATTGGGATGCTGATGGAAGAATTTACATTAGGAACTGGCAGGGTGGCATCTTGTCTGGAGGCT  
 TTGAGAAGAACCCCAACCTATTTTCACTGAAGGCAAGAACCAGTTGGAATTCAGAACCTTCGTGAAGA  
 CTGGGATCACTTTGAGCCCTGCTGAGTCCCTCCTGCGTAGGATGCCAGCATTGGAGACTCTGGAGATT  
 TTGAAGTTGGTGAATGCCCTGAGACCTCACACCAGACATGAAGTGCATCATGGCGGAGTCTCCTGTAG  
 TACAGGGCTACTTTGCTGCGCAGGGTGAACCTGCTGCCTGTCTGGTGGTGGAGGAGTCTGAAAGT  
 CCTAGCAGAATGGATGGTATATGGTTATCCCTCTGAAAATGTCTGGGAGTTGGATTTGCAGCGCTTCGGA  
 GCCCTCCAGAGCAGCCGACCTTTCTGCGCCACCGGGTCAAGGATGCTGCTCTGATATATGATCTGA  
 AGGTTCCCGTTGGGATTTCCAGACTGGAAGGCAGTTACGTACATCTCTCTTTATGACCGGCTGGATGC  
 TCAAGGAGCCAGATGGATGGAGAAACATGGATTTGAGAGGCCAAAGTACTTTGTTCCACCAACAAGGAC  
 CTTCTTGCAATAGAACAGAGCAAGACTTTCTACAAGCCAGATTGGTTTGTATTTGGAGTCAAGTCA  
 AATGCTGCAAGGAAGCTGTGTGTCTTACATGTCCTTTTCAAAAATTTGAAATAACTTCCACTGG  
 GGACGAGGCGTTAGAAAGTCTGCAGTACCTTTTCTGCAATGACCTTGATGTACCTGTAGGCCACATCGTT  
 CATACTGGCATGCTCAATGAATATGGAGGATACGAAAACGACTGCAGCATCGCACGCTGACCAACGCA  
 GTTTCTTTATGATTTCTCCAACCGATCAGCAGGTCACCTGTTGGGCTGGCTTAAACAAACTTGGCGAA  
 AGACAGCAACTTGTCTGGAGGAGCTCACTGAAAATACACAGCCCTCAATCTGATTGGCCCTCGAGCC  
 GTGGATGTGCTATCTGAGCTGTCCTATGCCCTATGACTCCAGATCACTTTCCAACGCTCTTCTGCAAGG  
 AGATGAGTGTGGGCTATGCAAAATGGGATCCGGGTGATGAGTATGACGCACACGGGAGAGCCAGGCTTCAT  
 GCTGTATATCCCATAGAGTACGCTCTGCATGTCTACAATGAGGTGATGAGTGTGGACAGAAATATGGA  
 ATCCGGAATGCTGGGATTTATGCCCTCAGAAGTCTCCGAATTGAGAAGTTTTTGGCTTTCTGGGGTCAAG  
 ACTTAAACACCCCTTACCACGCCCTTTGGAATGTGGAGGAGAATCTCGAGTGAAGTTAGAGAAGGGCATAGA  
 CTTCAATTTGGTGGGATGCCCTGCTGCAGCAGAAGCAGCCGGGTATATAAGCGCCTTGCTATGTTTCAAT  
 CTGGACGACCATGACACAGACCTTGATTTGTGGCCTTGGTGGGAGAACCCATTTACCGGAACGGAAAGT  
 ATGCTGGCAAGACCACAGTGTGCTATAGTACACACTGGAGCGCCATGTATGCTGGGTTATGTACA  
 CAATTTTTCTGAGGACAGTGGGGAAGAGCAGGTGGTGACAACAGATTTTCAACCGAGGAGAATATGAA  
 ATTGACATTGCAGGACATCGGTTTCAAGCCAAAGCCAAGCTCTACCCTGTACCTCTTTTTTCACTCACA  
 AGCGTAGAAAGGACGATGTGGAGCTGAGCGACTTTCATGGGAAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_198308

<b>Insert Size:</b>	2637 bp
<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_198308.1</a></u> , <u><a href="#">NP_938050.1</a></u>
<b>RefSeq Size:</b>	2904 bp
<b>RefSeq ORF:</b>	2637 bp
<b>Locus ID:</b>	319518
<b>UniProt ID:</b>	<u><a href="#">Q7TSQ8</a></u>
<b>Cytogenetics:</b>	8 E1
<b>Gene Summary:</b>	Decreases the sensitivity of PDP1 to magnesium ions, and this inhibition is reversed by the polyamine spermine.[UniProtKB/Swiss-Prot Function]