

## Product datasheet for **MC226906**

### **Ptgr2 (NM\_001252626) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptgr2 (NM\_001252626) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ptgr2  
**Synonyms:** 1810016I24Rik; 9130222H03Rik; 9630002F03Rik; A1838763; B830026H24Rik; PGR-2; PRG-2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226906 representing NM\_001252626  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCATCAACGCTGTAAGATGAACGAGGACACTGGCACTGACTACTTGGCACCGTGGCAGCTGGCGCAGG  
 TGGCTGATGGTGGAGGAATTGGAGTTGTAGAGGAGAGCAAGCACCAGAAGTTGACTAAAGCGGATTTTGT  
 GACTTCGTTTTACTGGCCCTGGCAAACCTAAGGCAATTCTAGATGGGAATGGCCTTGAAAAGGTAGACCCA  
 CAACTTGTAGATGGACACCTTTCATATTTCTTGGGGCTATAGGTATGCCTGGCTTGACTTCCTTGATTG  
 GGTACAGGAGAAAGGCCATATATCTGCTGGATCTAATCAGACAATGGTTGTCAGTGGAGCAGCAGGCGC  
 CTGTGGATCTTTGGCTGGCAGATTGGCCACCTGCTTGGCTGTTCCAGAGTGGTGGGAATTTGTGGAACG  
 CAGGAGAAATGTCTCTTTTTGACCTCAGAGCTGGGTTTGTATGCTGCAGTTAATTACAAAACAGGGAATG  
 TGGCAGAGCAGCTGCGAGAAGCGTGCCCGGGCGGAGTGGATGTCTACTTTGACAATGTTGGAGGTGACAT  
 CAGCAACGCGGTGATAAGTCAGATGAATGAGAACAGCCACATCATCCTGTGTGGTCAGATTTCTCAGTAC  
 AGTAACGATGTGCCCTACCCTCCTCCACTGCCCCCTGCAGTAGAAGCCATCCGGAAGGAACGAAACATCA  
 CAAGAGAGAGATTTACGGTATTAATTAATAAAGATAAATTTGAGCCTGGAATTTACAGCTGAGTCAGTG  
 GTTTAAAGAAGGAAAGCTAAAGGTCAAGGAGACCATGGCAAAGGCTTGAAAACATGGGAGTTGCATTCT  
 CAGTCCATGATGACAGGGGGCAACGTAGGGAAACAGATCGTCTGCATTTCAGAAGATTCTTCTCTGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001252626  
**Insert Size:** 909 bp



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<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001252626.1</a></u> , <u><a href="#">NP_001239555.1</a></u>
<b>RefSeq Size:</b>	3250 bp
<b>RefSeq ORF:</b>	909 bp
<b>Locus ID:</b>	77219
<b>UniProt ID:</b>	<u><a href="#">Q8VDQ1</a></u>
<b>Cytogenetics:</b>	12 D1
<b>Gene Summary:</b>	<p>Functions as 15-oxo-prostaglandin 13-reductase and acts on 15-keto-PGE1, 15-keto-PGE2, 15-keto-PGE1-alpha and 15-keto-PGE2-alpha with highest activity towards 15-keto-PGE2. Overexpression represses transcriptional activity of PPARG and inhibits adipocyte differentiation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) has an additional exon in the 5' region, which includes an alternate AUG start codon, compared to variant 1. The resulting isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1.</p>