

## Product datasheet for **MC207366**

### Ptgfr (NM\_008966) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptgfr (NM\_008966) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ptgfr  
**Synonyms:** AI957154; fp; PGF  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207366 representing NM\_008966  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCTATGAACAGTTCCAAGCAGCCAGTGTCTCCTGCAGCTGGACTCATCGAAACACAACCTGCCAGA  
 CGGAGAACCGGCTTTCAGTATTTTTTCTATCATCTTCATGACAGTGGGATCTTATCGAACAGCCTGCC  
 CATCGCCATTCTCATGAAGGCCTACCAGAGATTTAGACAGAAGTCAAAGGCTTCTCTCTGCTTTTGGCT  
 AGTGGCCTGGTGATCACAGACTTCTTTGGCCACCTTATCAACGGAGGCATAGCTGTCTTTGTATATGCTT  
 CTGATAAAGACTGGATCCGCTTTGATCAGTCAAACATCCTGTGCAGTATTTTTGGAATCTCCATGGTCTT  
 TTCTGGCTTGTGCCACTTTTTCTAGGCAGTGGCATGGCCATCGAGAGGTGTATAGGAGTCACCAATCCT  
 ATATTTCACTCTACGAAGATCACATCTAAACACGTGAAAATGATCCTGAGTGGTGTGTGCATGTTTGCTG  
 TGTTCTGGCTGTGCTGCCATCCTTGGACACCGAGATTATCAAATCCAAGCGTCCAGAACCTGGTGT  
 CTACAACACAGAGCACATCGAAGACTGGGAAGACAGATTTATCTCCTGTTCTTTCTTCTCGGACTC  
 TTAGCTCTTGGTGTTCCTTCTCGTGCAATGCCGTACGGGAGTCACACTCTTAAGAGTGAAGTTCAGAA  
 GCCAGCAGCATAGGCAAGGCAGATCTACCACCTGGAGATGATCATTAGCTCCTGGCCATAATGTGCTG  
 CTCCTGCGTCTGCTGGAGTCCCTTCTGGTAACAATGGCCAACATTGCAATAAATGGAAATAATCCCCA  
 GTGACCTGTGAAACGACACTTTTTGCTCTCCGCATGGCAACGTGGAATCAGATCTTAGATCCCTGGTCT  
 ATATTCTGCTACGGAAGGCTGTCCTTAGGAACCTGTATAAACTTGCCAGTCGTTGCTGTGGAGTTAACAT  
 CATCAGCTTGATATCTGGAACTCAGCTCCATCAAGAATTCCTTAAAGTTGCTGCTATTTCTGAGTCA  
 CCAGCTGCAGAGAAGGAGAGCCAGCAAGCATCGAGTGAAGCTGGACTGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_008966



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<b>Insert Size:</b>	1101 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>NM_008966.3, NP_032992.1</u>
<b>RefSeq Size:</b>	4414 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	19220
<b>UniProt ID:</b>	<u>P43117</u>
<b>Cytogenetics:</b>	3 76.96 cM
<b>Gene Summary:</b>	Receptor for prostaglandin F2-alpha (PGF2-alpha). The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. Initiates luteolysis in the corpus luteum (By similarity).[UniProtKB/Swiss-Prot Function]