

## Product datasheet for **MG226720**

### Ptgir (NM\_008967) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptgir (NM\_008967) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ptgir  
**Synonyms:** IP; PGI2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG226720 representing NM\_008967  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGGCCAGCGATGGACATCCTGGACCCCTTCTGTCACTCCTGGGAGCCCTCTCAGTGCAGGTGGCA  
 GAGAGTGGCAGGGCATGGCAGGCTCCTGCTGGAATATCACCTACGTTCAAGACTCGGTAGGACCTGCCAC  
 CAGCACGCTGATGTTCTGGCTGGTGTAGTGGCAACGGGCTGGCATTGGGCATCCTGGGTGCCGACGG  
 AGGTCACACCCATCGGCCTTGGCGTGTGGTCACTGGGCTGGCGGTGACGGATCTGCTGGGCACGTGCT  
 TCTTGAGCCCTGCAGTGTGGTGGCTATGCTCGAAACAGCTCTCTGCTGGCCTGGCCACGGTGGGAC  
 GATGCTGTGTGACACTTTCGCCTTCGCCATGACGTTCTTCGGCCTGGCCTCCACGCTCATCTCTTTGCC  
 ATGGCTGTGGAGCGGTGCCTGGCACTCAGTCACCCCTACCTGTACGCCAGCTGGACGGGCCGCGTGGC  
 CCCGCTTTCCTTGCCTTCCATCTACGCTTCTGCTGCCTCTTCTGCTCACTGCCCTGTGGCCTGGG  
 CGAGCATCAGCAGTATTGCCAGGGAGCTGGTGTTCATCCGCATGCGTTCGCCACGCTGGCGGCTGT  
 GCCTTCTCCCTGGCCTACGCCAGTCTCATGGCCCTGTTGGTGACCTCCATCTTCTTCAACGGCTCCG  
 TCACTCTCAGCCTCTATCACATGTACGCCAACAGAGACGCCACCATGGCTCGTTTGTACCGACCTCTCG  
 GGCACGAGAGGATGAAGTTTACCACCTGATTCTGCTGGCCCTCATGACCGTCATCATGGCCGTGTGCTCC  
 CTGCCCTCATGATCCGAGGCTTCACTCAGGCCATCGCCCCAGACAGCAGAGAGATGGGGACCTCTCG  
 CCTTCGGCTTCAACGCCCTTCAACCCCATCCTGGACCCCTGGGTCTTCATCCTTTCCGAAAGGCTGTCTT  
 CCAACGCCTCAAGTTCTGGTGTGGTGGCTGTGTGCCGTTCTGTCCATGGGGATTTGCAGGCGCCCTT  
 TCCAGACCTGCATCGGGGAGAAGAGACCCACCGCTCCTACTTCTCTCCAGGCTAAGGAAGGGAGCTGGG  
 TGCCCCTGTCGTCTGGGACACGGGACAGGTGGCACCAATTGACTGCTGTGCCTCTGACTGGTGGTACGG  
 CTGCTCTGTGGGAATGCCATCCAAGTCAGAGGCCATCGCTGCCTGCTCCCTCTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG226720 representing NM\_008967  
 Red=Cloning site Green=Tags(s)

MMASDGHGPPSVTPGSPLSAGGREWQGMAGSCWNITYVQDSVGPATSTLMFVAGVVGNLALGILGARR  
 RSHPFAFVAVLVTGLAVTDLLGTCLFSPAIFVAYARNSSLLGLAHGGTMLCDTFAFAMTFFGLASTLILFA  
 MAVERCLALSHPYLYAQLDGPFCARFALPSIYAFCCFLCFLPLGLGEHQYCPGSWCFIRMRSAPGGC  
 AFSLAYASLMALLVTSIFFCNGSVTLSLYHMYRQRRHHSFVPTSRAREDEVYHLILLALMTVIMAVCS  
 LPLMIRGFTQAIAPDSREMGDLLAFRFNAPNPILDWPWFILFRKAVFQRLKFWLCCLCARSVHGDLQAPL  
 SRPASGRDRPPAPTSLQAKEGSWVPLSSWGTGQVAPLTAVPLTGGDGCSVGMPSKSEAIAACSLC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008967

**ORF Size:** 1245 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

**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:** [NM\\_008967.3](#), [NP\\_032993.2](#)

**RefSeq Size:** 3334 bp

**RefSeq ORF:** 1248 bp

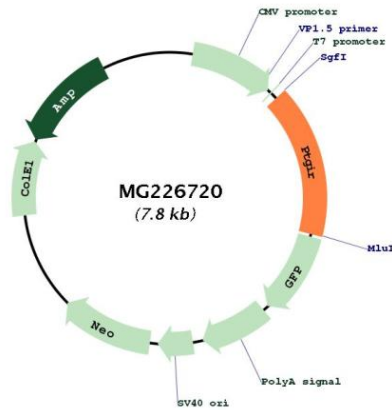
**Locus ID:** 19222

**UniProt ID:** [P43252](#)

**Cytogenetics:** 7 9.15 cM

**Gene Summary:** Receptor for prostacyclin (prostaglandin I2 or PGI2). The activity of this receptor is mediated by G(s) proteins which activate adenylate cyclase.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG226720