

## Product datasheet for **MR208060**

### **Ptgis (NM\_008968) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptgis (NM_008968) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptgis
Synonyms:	Cyp8; Cyp8a1; Pgis
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR208060 representing NM\_008968  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTGGGCTGCTCTGCTCGGCCTCCTGGCCGTGCTATTGCTGTTGCTGCTGCTGCTGAGCCGCCGGC  
 GCGCGCGAGACCTGGTGAAGCCTCCGTTGGACCTGGGCAGCATCCCTGGCTGGGCCATGCCTTGGAGTT  
 TGGGAGAGATGCTGCCAGCTTCTTACCAGGATGAAGGAAAAGCACGGTACATATTTACTGTGCTGGTG  
 GGGGGCAGATACGCTACTGTTCTCTGGACCCACACTCTTACGACACAGTGGTGTGGGAGCTGCGTACAC  
 GGCTGGACTTCCATCCCTATGCCATCTTCTCATGGAGAGGATTTTTGATCTGCAGCTTCCAAAATTTCAA  
 CCCCAGTGAGGAGAAGGCCAGGATGAAGCCGACGCTCATGCACAGAGACCTGCAGGCGCTCACAGAAGCC  
 ATGTATACCAACCTTCGCACGGTCTGCTGGGTGACTCCACAGAAGCAGGCAGTGGCTGGCAGGAGACAG  
 GTCTCCTTGAGTTCTCTACAACGCCCTGCTCAGCGCCGGCTACCTGACCCTATATGGAGTGGAGGCCCTC  
 ACCACGCACCCATGAGAGTCAGGCCAAGATCGTGTCCACTCAGCGGATGTTTTCCATACCTTCCGCCAG  
 CTGGATCTGCTGCTCCCAAAGTGGCTCGAGGCTCCTTGTGAGCGGGGATAAAGACCATGCATGCAGTG  
 TCAAAAACCGCTGTGGAAGCTGCTGTCCCCAGCCAGGCTGGCCCTCCAGGGCTGACCGGAGCAGCTGGCT  
 GGAGAGTTATCTGAGACATCTTGAGGAGATGGGGTGTGAGAGGAGATGCAGGCCCGGGCTCTGGTGTG  
 CAGCTCTGGGCCACAGGGGAATATGGGTCCCACGGCCTTCTGGCTCCTTCTTTTCTCTCAAGAATC  
 CGGAAGCCCTCGCCGCTGTCCTGTCAGAGCTGAAGCACACGGTCTGGCAAGCAGAGCAGCCTGTTTCA  
 GATGACCACACTCCACAGAAGATTCTAGACAGCATGCCTGTGCTAGACAGTGTGCTCAATGAGACACTC  
 CGGCTCAGGCTGCCCCCTTCAACCCGTGAGGTCATGGCAGACCTGGCCTTGCCTATGGCAGACGGGA  
 GGAAATCTCTCTTCGACGTGGTGACCGCCTTCTCCTTTCCCTTCTGAGTCCCAGAAAGACCCAG  
 AATCTACACAGAGCCTGAGGTGTTTAAATACAACCGATTCTTGAACCCAGATGGATCTGAAAAGAAAGAT  
 TTTTACAAGATGGGAAACGGCTGAAGAATTACAACATGCCATGGGGCGCAGGGCACAACAGTGCCTGG  
 GGAAGAGTTATGCCATCAACAGCATCAAACAATTTGTCGTCTACTGCTGACTCATTTTCGACCTGGAGCT  
 GGGCAGCGAGGACACAGAGGTTCTGAGTTGACCTCAGCAGATATGGCTTCGGTCTGATGCAGCCAGAG  
 GAAGACGTGCCCATCCGGTACCGTGCCAGGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208060 representing NM\_008968  
 Red=Cloning site Green=Tags(s)

MSWAALLGLLAVLLLLLLLLLRRRRARRPGEPLDLGSIPWLGHLEFGRDAASFLTRMKEKHGDIPTVLV  
 GGRYVTVLLDPHSYDTVVWELRTRLDHFHPYAIIFLMERIFDLQLPNFNPSEEKARMKPTLMHRDLQALTEA  
 MYTNLRTVLLGDSTEAGSWGQETGLLEFSYNALLSAGYLTYGVEASPRTHESQAQDRVHSAADVHTFRQ  
 LDLLLPLKARGSLSAGDKDHACSVKNRLWKLSPARLASRADRSSWLESYLRHLEEMGVSEEMQARALVL  
 QLWATQGNMGPTAFWLLFLLNPEALAAVRAELKHTVWQAEQPVSMQMTLPQKILDSMPVLDVSLNETL  
 RLTAAPFITREVMADLALPMADGREFSLRRGDRLLLFPFLSPQKDPETIYTEPEVFKYNRFLNPDGSEKKD  
 FYKDGKRLKNYNMPWGAGHNQCLGKSYAINSIKQFVLLLLTHFDLELGSSEDETEVPEFDLSRYGFGLMQPE  
 EDVPIRYRRL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9016\\_d07.zip](https://cdn.origene.com/chromatograms/mm9016_d07.zip)

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_008968

ORF Size: 1503 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

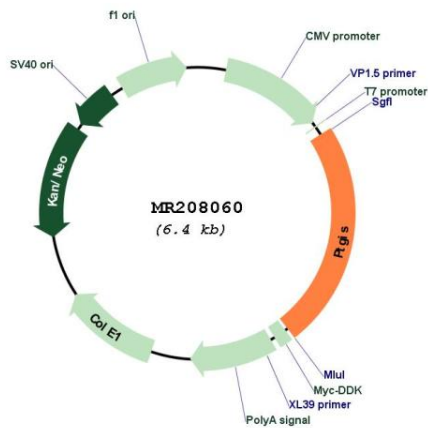
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_008968.4</u>
RefSeq Size:	1751 bp
RefSeq ORF:	1506 bp
Locus ID:	19223
UniProt ID:	<u>O35074</u>
Cytogenetics:	2 H3
MW:	57.5 kDa
Gene Summary:	Catalyzes the isomerization of prostaglandin H2 to prostacyclin (= prostaglandin I2). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208060