

Product datasheet for **RN201855**

Ptgis (NM_031557) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptgis (NM_031557) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptgis
Synonyms:	PGIS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201855 representing NM_031557
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCCTGGGCCGCTCTGCTCGGCCTTCTGGCCGTGTTACTGTTGCTGCTGCTGAGCCGCCGGC
GCGCGCGCGACCCGGTGAGCCTCCGTTGGACCTGGGCAGCATCCCTGGCTGGGCCATGCCTTGGAGTT
TGGGAAGGATGCCGCCAGCTTCTTACCAGGATGAAGGAGAAGCACGGTGACATATTTACTGTGCTGGT
GGGGCAGGTATGCTACTGCTCCTCGACCCACACTCTTACGACACAGTGGTGTGGGATCTGCGTACAC
GGCTGGACTTCCACCCCTACGCCATCTTCTCATGGAGAGGATTTTTGATCTGCAGCTTCCAAATTTCAA
CCCCAGCGAGGAGAAGGCCAGGATGAAGCCGACGCTCATGCACAAAGACCTGCAGGCGCTCACGGAAGCC
ATGTATACCAACCTGCGCACCGTCTGCTGGGTGACTCCACAGAAGGAGGAGTGGCTGGCAGGAGAAAG
GTCTGCTTGAGTTCTCTACAGTCCCTGCTCAGCGCTGGCTACCTGACCCTGTATGGAGTGGAGGCCCTC
ACCACGCACCCAGGAGTCAAGCCCTCGACCGTACCCTGACCGACGTTTTCCGCACCTTCCGCCAG
CTGGATCTGATGCTCCCAAACCTGGCTCGAGGCTCCTTGTGAGTGGGGATAAAGACCATGCATGCAGTG
TCAAAAGCCGCTGTGGAAGCTGCTGTCTCCAGCCGGACTGGCCTCCAGGGCTGACCCGGAGCAGCTGGTT
GGAGAGTTACCTGAGACATCTTGAGGAGATGGGGTATCAGAGGACATGCAGGCCCGGGCACTGGTGTCTG
CAGCTCTGGGCCACACAAGGGAATATGGGACCCACGGCTTTCTGGCTCCTCCTTCTCCTCAAGAACC
CGGAAGCCCTCGATGCTGTCATGCAGAGCTGAAACGCATCGTCTGGCAAGCAGAGAAGCCTGTTTTACA
GATGACCCACTCCCGCAGAAGATTCTAGACAGCATGCCTGTGCTAGACAGTGTGCTCAATGAGACCCTC
CGGCTCAGGCCCGCCCCCTTCAACCCGTTGAGGTCATGGCAGACCTGGCCTTGCCTATGGCAGACAGGA
GGGAATCTCTCTTCGACGCGGTGACCGCTTCTCCTTTCTCCTTCTGAGTCCCAGAAAGGACCAGAA
AATCTACACAGAACCTGAAGTCTTTAAATACAACCGGTTCTTGAACCCAGATGGGTGAGAAAAGAAAGAT
TTTTACAAGATGGGAAACGGCTAAAGAATTACAACATGCCTTGGGGCGCAGGGCACAACAGTGCCTGG
GGAAGAGCTATGCCATCAACAGCATCAACAGTTTGTGGTCTGCTGCTGACTCATTTTCGACCTGGAGCT
GGTCAGTGAGGACACAGAGTCCCGGAGTTTGACCTTAGCAGATATGGCTTTGGCCTGATGCAGCCGGAG
GAAGATGTGCCATCCGGTACCGTACCAGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_031557

Insert Size: 1506 bp

OTI Disclaimer: 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).

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_031557.2](#), [NP_113745.1](#)

RefSeq Size: 1777 bp

RefSeq ORF: 1506 bp

Locus ID: 25527

UniProt ID: [Q62969](#)

Cytogenetics: 3q42

Gene Summary: catalyzes the conversion of prostaglandin H2 to prostacyclin in prostaglandin biosynthesis [RGD, Feb 2006]