

Product datasheet for **RR201327**

Ptgir (NM_001077644) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptgir (NM_001077644) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ptgir
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201327 representing NM_001077644
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGCCAGCGGTGGACGTCCTGATGGTCCCCCTTCTATCACCCCGAGAGCCCTCTCATTGTAGGTG
GCAGAGAGTGGCAGGGTATGGCAGGTTCTTGCTGGAACATCACCTACGTTCAAGACTCGGTAGGACCTGC
CACCAGCACCTGATGTTTGTGGCTGGTGGTGGCAACGGGCTAGCACTGGGCATCCTGGGTGCCGA
CGGAGGTCACACCCATCGGCGTTTGCAGTGTGGTCACTGGGCTGGCAGTGACGGATCTGCTGGGCACGT
GCTTCTTGAGCCCGCGGTGTTTGTGGCCTATGCTCGAAACAGCTCTTTGCTGGGCTGGCCACGGTGG
GACGATGCTGTGTGACACTTTCGCTTCGCTATGACTTCTTCGGCCTGGCCTCCACGCTCATCCTCTTC
GCCATGGCTGTGGAGCGGTGCCTGGCTCTCAGTCATCCCTACCTGTACGCCAGCTGGACGGGCCCGCT
GTGCCCGCTTGGCTTTCGCTGCCATCTACGTTTCTGTTGTCTCTTCTGCTCACTGCCCCGCTGGGCT
GGGCGAGCACCAGCAGTATTGTCCCGGAGCTGGTGTTCATCCGCATGCGTTCCCCCAGCCTGGTGGC
TGTGCTTCTCCCTGGCCTATGCCAGTCTCATGGCCCTGCTGGTACCTCCATCTTCTTCTGCAACGGCT
CCGTCACTCTCAGCCTCTGTACATGTACGCCAACAGAGACGGCACCATGGCTCGTTTGTGCCGACCTC
TCGGGCACGAGAGGATGAAGTTTACCACCTGATTCTGCTGGCCCTCATGACAGGCATCATGGCCGTATGC
TCCTGCCTCTCAGATCAGAGGATTCACGCAGGCCATCGCCCCAGACAGCAGAGAGATGGGGGACCTCC
ACGCCTCCGTTTTAATGCCTTCAACCCATCCTGGACCCTGGGTCTTCATCCTTTTCCGAAAGGCTGT
CTTCCAACGCCTCAAGTTCTGGTTGTGTGTGTGTGCCGTTCTGTCCATGGGGATCTGCAGACGCC
CTCTCCCGGCCGTGTGGGGAGAAGAGACACTGGCTCCCGATTCTCTCCAGGCTAAGGAAGGAACT
GGGTGCCCTGTCAACCTGGGGTACGGGGCAGGTGGCACCATTGACTGCTGTGCCTCTGTCTGGTGGTGA
TGGCTGTTCTGTGGGAATGCCATCCAAAACAGAGGCTGTGGTTGCCTGCTCCCTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

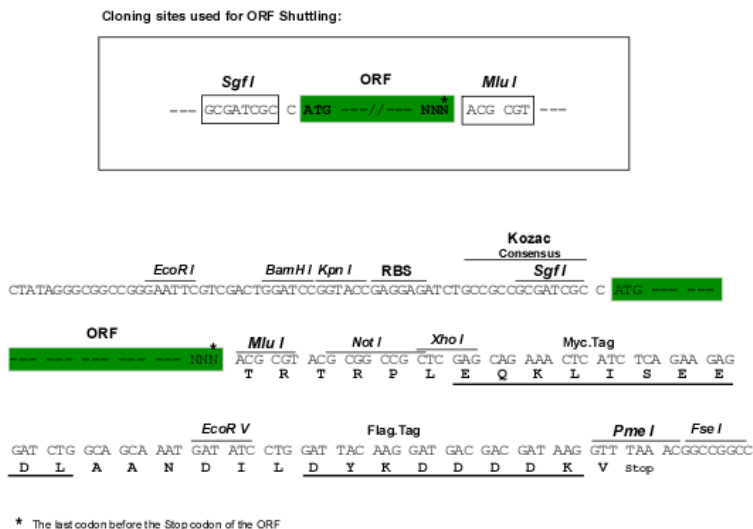
Protein Sequence: >RR201327 representing NM_001077644
Red=Cloning site Green=Tags(s)

MVASGGRPDGPPSITPESPLIVGGREWQGMAGSCWNITYVQDSVGPATSTLMFVAGVVGNLALGILGAR
 RRSHPSAFAVLVTGLAVTDLLGTCFLSPAVFVAYARNSSLGLAHGGTMLCDTFAMTFFGLASTLILF
 AMAVERCLALSHPYLYAQLDGPRCARLALPAIYAFCCFLCSPLLLGLGEHQYCPGSWCFIRMRSPPGG
 CAFSLAYASLMALLVTSIFFCNGSVTSLCHMYRQRRHHGSFVPTSRAREDEVYHLILLALMTGIMAVC
 SLPLTIRGFTQAIAPDSREMGDLHAFRFNAFNPIIDPWVIFLFRKAVFQRLKFWLCCLCARSVHGDLP
 LSRPVSRRDRTLAPDSLQAKEGNWVPLSTWGTGQVAPLTAVPLSGDGCSSVGMPSKTEAVVACSLC

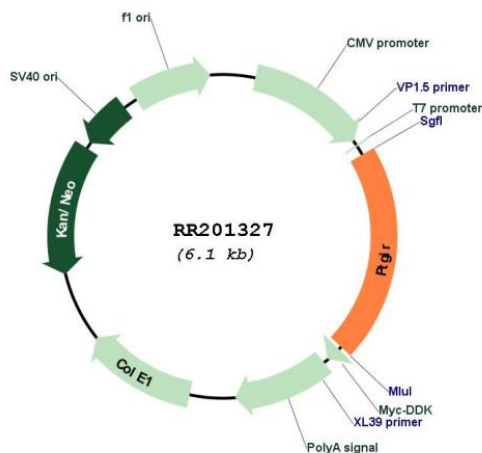
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001077644

ORF Size:	1248 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none">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_001077644.1 , NP_001071112.1
RefSeq Size:	1360 bp
RefSeq ORF:	1251 bp
Locus ID:	292661
UniProt ID:	P43253
Cytogenetics:	1q21
MW:	44.7 kDa
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]