

Product datasheet for **RR211846**

Ptgdr1 (NM_022241) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptgdr1 (NM_022241) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ptgdr1
Synonyms: Ptgdr; Ptgdr2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211846 representing NM_022241
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATGAGTCTATCGCTGTCAGGCAGCCACCTGGGTGGAACGGGGCTCCTCAGCGACAATGGGTGGTGTG
TGCTCTTCAGTGCAGGACTGCTGGGCAATCTCCTGGCGCTGGTGTGCTGGCGGATCCGGGCTGGGGTCT
CTGCCGGCCAGGGCCACTGCATCCGCCCCCTCGGTCTTTATGTGCTAGTGTGCGGCTTGACGGTCAAC
CACTTGCTGGGCAAGTGTCTGATCAGCCCGATGGTCTGGCTGCCTACCGCAAAATCGGAGCCTAAAGG
AACTGCTGCCTGCCTCAGGCAATCAGTTATGTGAAGCCTTCGCCTTCTGATGTCCTTCTTTGGGTAGC
CTCGACCTTACAGCTACTGGCTATGGCACTGGAGTGTGGCTGTCTCTGGGACACCCTTTCTTCTACCAA
AGGCACATCACCGCCCGCCGGGAGTGTGCTGGTGGCGCCAGTGCAGGCGCCTTCTCTTTGGCTTTCTGTG
CGCTCCCTTTGCTGGCTTTGGGAAGTTCGTGCAGTACTGTCCAGGTACCTGGTGTCTTATCCAGATGAT
CCACAAGAAGCGCTCATTCTCGTAATAGGCTTCTGTGCTCTACTCCAGCCTCATGGCGCTGTGGTCT
CTCGCAACTGTGGTGTGCAACCTGGGTGCCATGTCCAACCTCTATGCCATGCACAGGCGCCAGAGGCACC
ATCCCCGCGCTGCTCCAGGACCGCCCGCCAGTCAGGCTCAGACTACAGGCATGGGTCCCGAATCCTTT
GGAGGAGCTGGACCACTTTGTTCTGCTGGCTCTCACGACAGTGTCTTACCATGTGTTCCCTGCCTTTA
ATTTATCGTGCTTACTATGGAGCCTTTAAACTTGTGGACAGAGCTGACGGAGACTCGGAAGACCTCCAAG
CCTTGCCTTTCTGTCTGTGATTTCCATCGTGGACCCCTGGATCTTATCATTTCAGGACTTCAGTATT
CCGGATGTTATTTACAAGGCTTTACAAGACCTCTGATCTACAGAACTGGTGCAGCCATTCTGGCAG
ACTAACATGGAATCCACTTTG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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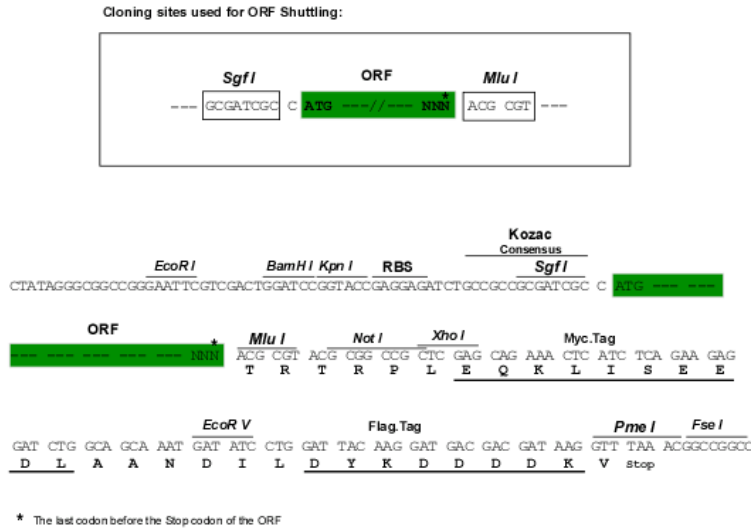
MNESYRCQAATWVERGSSATMGVLF SAGLLGNLLALVLLARSGLGSCRPGPLHPPPSVFYVLVCGLTVT
 HLLGKCLISPMVLAAYAQNRSKELL PASGNQLCEAF LMSFFGLASTLQLLAMALECWL SLGHPFFYQ
 RHITARRGVL VAPVAGAFSLAFCALPFAFGK FVQYCPGTWCFIQMIHKKRSF SVIGF SVLYSSLMALLV
 LATVVCNLGAMS NL YAMHRRQRHHP RCRSRDRAQSGSDYRHGSPNPLEELDHFVLLALTTVLF TMC SLPL
 IYRAYYGAFKL VDRADGSEDLQALRFLSVISIVDPWIFIIFRTSVFRMLFHKAFTRPLIYRNWC SHSWQ
 TNMESTL

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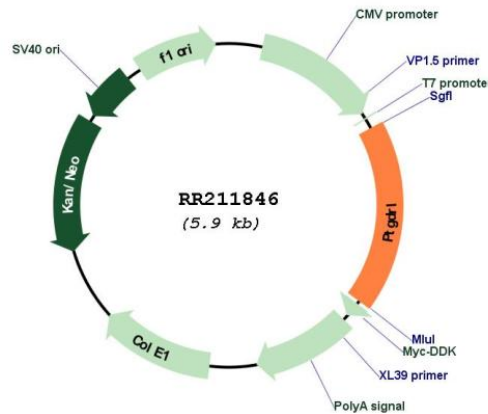
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_022241

ORF Size:	1071 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_022241.1 , NP_071577.1
RefSeq Size:	1315 bp
RefSeq ORF:	1074 bp
Locus ID:	63889
UniProt ID:	O35932
Cytogenetics:	15p14
MW:	39.8 kDa
Gene Summary:	receptor for prostaglandin D2, may play a role in vision, regulation of intraocular pressure, and sleep induction [RGD, Feb 2006]