

Product datasheet for RN203909

Ptgdr (NM_001135164) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptgdr (NM_001135164) Rat Untagged Clone
Tag: Tag Free
Symbol: Ptgdr
Synonyms: RGD1565108
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203909 representing NM_001135164
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGAGTCTATCGCTGTCAGGCAGCCACCTGGGTGGAACGGGGCTCCTCAGCGACAATGGGTGGT
 TGGCTTTCAGTGCAGGACTGCTGGCAACCTCCTGGCGCTGGTGTCTGGCGGATCCGGGCTGGGGT
 CTGCCGGCCAGGGCCACTGCATCCGCCCTCGGTCTTTACGTGCTAGTGTGGGCTTGACAGTCACC
 GACTTGTCTGGGAAGTGTCTGATCAGCCCGATGGTCTGGCTGCATACCGCAAAATCGGAGCCTAAAGG
 AACTGCTGCCTGCCTCAGGCAACCACTTATGTGAAGCCTTCGCCTTCTGATGTCCTTCTTTGGGTAGC
 CTCGACCTTACAGCTACTGGCTATGGCACTAGAGTGTGGCTGTCTCTGGGACACCCTTCTTCTACCAA
 AGGCACATCACCGCCCGGGGAGTGTCTGGTGGCACCAGTCCGGGGCGCCTTCTTTGGCTTTCTGTG
 CGCTCCCTTTGCTGGCTTTGGGAAGTTCGTCCAGTACTGTCCGGTACCTGGTGTCTTATCCAGATGAT
 CCACAAGAAGCGCTCATTCTCGTAATAGGCTTCTGTGCTCTACTCCAGCCTCATGGCGCTGTGGTC
 CTCGCAACTGTGGTGTGCAACCTGGGTGCCATGTCCAACCTCTATGCCATGCACAGGCCCCAGAGGCACC
 ATCCCCGCGCTGCTCCAGGGACCGCCAGTCAGGCTCAGACTACAGGCATGGGTCCCGAATCCTTT
 GGAGGAGCTGGACCACTTTGTTCTGCTGGCTCTCACGACAGTGTCTTACCATGTGTTCCCTGCCTTTA
 ATTTATCGTGCTTACTATGGAGCCTTTAAACTTGTGGACAGAGCTGACGGAGACTCGGAAGACCTCCAAG
 CCTTGGCTTTTCTGTCTGTGATTTCCATCGTGGACCCCTGGATCTTATCATTTCAGGACTTCAGTATT
 CCGGATGTTATTTACAAGACTTTACAAGACCTCTGATCTACAGAAACTGGTGCAGCCATTCTGGCAG
 ACTAACATGGAATCCACTTTG**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001135164



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Insert Size:	1074 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:	<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:	<u>NM_001135164.1</u> , <u>NP_001128636.1</u>
RefSeq Size:	1074 bp
RefSeq ORF:	1074 bp
Locus ID:	498475
UniProt ID:	<u>Q9R261</u>
Cytogenetics:	15p14
Gene Summary:	Receptor for prostaglandin D2 (PGD2). The activity of this receptor is mainly mediated by G(s) proteins that stimulate adenylate cyclase, resulting in an elevation of intracellular cAMP. A mobilization of calcium is also observed, but without formation of inositol 1,4,5-trisphosphate.[UniProtKB/Swiss-Prot Function]