

Product datasheet for MC209253

Ptgdr (NM_008962) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptgdr (NM_008962) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ptgdr
Synonyms: DP; PGD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC209253 representing NM_008962
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACGAGTCTATCGCTGTCAGACATCCACCTGGGTGGAAAGGGGCTCCTCGGCGACGATGGGCGCTG
 TGCTCTTCGGTGCGGGGCTTCTGGGCAATCTTCTGGCGCTGGTGTCTGGCGGCTCGGGACTGGGGTC
 TTGCCGGCCAGGGCCACTACACCCGCCGCCCTCGGTCTTTATGTCTCGTGTGGCTTGACGGTCACC
 GACTTGCTGGGCAAGTGTCTGATCAGCCGATGGTCTGGCTGCCTACGCGCAAACCAGAGCCTAAAGG
 AACTGCTGCCTGCCTCAGGCAATCAGTTATGCGAAACGTTGCGCTTCTGATGTCCTTCTTTGGGCTAGC
 CTCGACCTTACAGCTGTTGGCTATGGCGGTGGAGTGTGGCTGTCTCTGGGACACCCCTTCTTACCAA
 AGGCACGTACCTTGCGCCGGGAGTGTGGTGGCACCAGTGTGGCCGCTTCTGCTTGGCTTTCTGTG
 CGCTCCCCTTGTGCTGTTTTGGGAAGTTCGTGCAGTACTGTCCAGGCACCTGGTGTTCATCCAGATGAT
 CCACAAGGAGCGTTCAATTTTCGGTAATAGGCTTCTGTGCTCTACTCCAGCCTCATGGCGCTGTGGTC
 CTCGCAACCGTGGTGTGCAACCTGGGTGCCATGTACAACCTCTATGACATGCACAGGCGCCAGAGGCACT
 ATCCTCACCGTGTCCAGGGACCGGCCAGTCAGGCTCAGACTACAGGCACGGTCCCTGCATCCTTT
 GGAGGAGCTGGACCACTTTGTGCTGTGGCTCTCATGACAGTGTCTTCCACATGTGTTCCCTGCCTTTA
 ATTTATCGTGCCTACTATGGAGCCTTTAACTTGAGAACAAGCTGAAGGAGACTCAGAAGACCTCCAAG
 CCTTGCCTTCCGTCTGTGATTTCCATAGTGGACCCCTGGATCTTCATCATCTTCAGGACTTCAGTATT
 CCGGATGTTATTTACAAGGTTTTACAAGACCTCTGATCTACAGAACTGGAGCAGCCATTCCAGCAA
 AGTAACGTGGAATCCACTTTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2060_g11.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_008962
Insert Size:	1074 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>
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:	BC132297 , AAI32298
RefSeq Size:	3187 bp
RefSeq ORF:	1074 bp
Locus ID:	19214
UniProt ID:	P70263
Cytogenetics:	14 22.59 cM
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 (By similarity).[UniProtKB/Swiss-Prot Function]