

Product datasheet for **MG225464**

Ptgdr (NM_008962) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptgdr (NM_008962) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ptgdr
Synonyms:	DP; PGD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225464 representing NM_008962 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGAGTCCTATCGCTGTCAGACATCCACCTGGGTGGAAAGGGGCTCCTCGGCGACGATGGGCGCTG
TGCTCTTCGGTGCGGGGCTTCTGGGCAATCTTCTGGCGTGGTGTGCTGGCGGCTCGGGACTGGGGTC
TTGCCGGCCAGGGCCACTACACCCGCCCCCTCGGTCTTTATGTGCTCGTGTGGCTTGACGGTCACC
GACTTGCTGGGCAAGTGTCTGATCAGCCGATGGTCTGGCTGCCTACGCGCAAACCAGAGCCTAAAGG
AACTGCTGCCTGCCTCAGGCAATCAGTTATGCGAAACGTTGCGCTTCTGATGTCCTTCTTGGGCTAGC
CTCGACCTTACAGCTGTTGGCTATGGCGGTGGAGTGTGGCTGTCTTGGGACACCCCTTCTTACCAA
AGGCACGTACCTTGCGCCGGGAGTGTGGTGGCACCAGTGTGGCCGCTTCTGCTTGGCTTTCTGTG
CGCTCCCCTTGTGCTGTTTTGGGAAGTTCGTGCAGTACTGTCCAGGCACCTGGTGTTCATCCAGATGAT
CCACAAGGAGCGTTCAATTTTCGGTAATAGGCTTCTCTGTGCTCTACTCCAGCCTCATGGCGCTGTGGTC
CTCGCAACCGTGGTGTGCAACCTGGGTGCCATGTACAACCTCTATGACATGCACAGGCGCCAGAGGCACT
ATCCTCACCGTGTCCAGGGACCGGCCAGTCAGGCTCAGACTACAGGCACGGTCCCTGCATCCTTT
GGAGGAGCTGGACCACTTTGTGCTGTGGCTCTCATGACAGTGTCTTCCACATGTGTTCCCTGCCTTTA
ATTTATCGTGCTACTATGGAGCCTTTAACTTGAGAACAAGCTGAAGGAGACTCAGAAGACCTCCAAG
CCTTGCCTTCCGTCTGTGATTTCCATAGTGGACCCCTGGATCTTCATCATCTTCAGGACTTCAGTATT
CCGGATGTTATTTACAAGGTTTTACAAGACCTCTGATCTACAGAACTGGAGCAGCCATTCCAGCAA
AGTAACGTGGAATCCACTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225464 representing NM_008962
 Red=Cloning site Green=Tags(s)

MNESYRCQTSTWVERGSSATMGAVLFGAGLLGNLLALVLLARSLGSCRPGPLHPPPSVFYVLVCGLTVT
 DLLGKCLISPMVLAAYAQNQSLKELLPASGNQLCETFAFLMSFFGLASTLQLLAMAVECWLSLGHPPFYQ
 RHVTLRRGVLVAPVVAAFCLAFALPFAGFGKVFQYCPGTWCFIQMIHKERSFSVIGFSVLYSSLMALLV
 LATVVCNLGAMYNYLDMHRRQRHYPHRCSRDRQAQSGSDYRHGSLHPLLELDHFVLLALMTVLFMCSLPL
 IYRAYYGAFKLENKAEGDSEDLQALRFLSVISIVDPWIFIIFRTSVFRMLFHKVFTRPLIYRNWSSHSSQQ
 SNVESTL

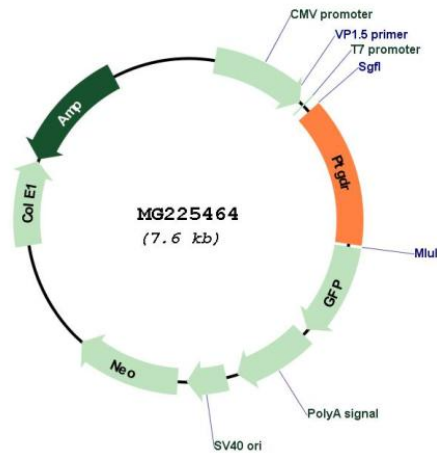
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008962

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_008962.4 , NP_032988.3
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]