

Product datasheet for RG225598

OriGene Technologies, Inc.

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PTGER3 (NM_001126044) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PTGER3 (NM_001126044) Human Tagged ORF Clone

Tag: TurboGFP Symbol: PTGER3

Synonyms: EP3; EP3-I; EP3-II; EP3-III; EP3-IV; EP3-VI; EP3e; Inc003875; PGE2-R

Mammalian Cell Neo

Selection:

Neomycin

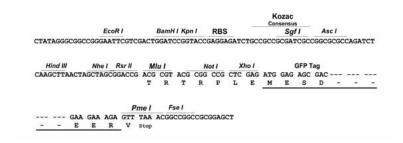
Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





ACCN: NM_001126044

ORF Size: 1170 bp





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OTI Disclaimer: 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

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: 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 001126044.1</u>, <u>NP 001119516.1</u>

P43115

RefSeq Size:2055 bpRefSeq ORF:1173 bpLocus ID:5733

Cytogenetics: 1p31.1

UniProt ID:

Protein Families: Druggable Genome, GPCR, Transcription Factors, Transmembrane

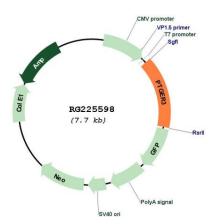
Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

Gene Summary: The protein encoded by this gene is a member of the G-protein coupled receptor family. This

protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotropic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009]



Product images:



Circular map for RG225598