

Product datasheet for RC220173L3

OriGene Technologies, Inc.

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PTGER3 (NM 198715) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PTGER3 (NM_198715) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: PTGER3

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

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220173).

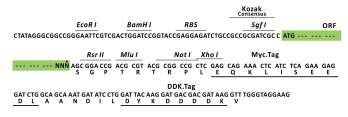
Sequence:

The one insert of this cione is exactly the same as(Ne220175)

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_198715

ORF Size: 1164 bp





PTGER3 (NM_198715) Human Tagged Lenti ORF Clone - RC220173L3

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.

RefSeq: <u>NM 198715.1</u>

RefSeq Size:2468 bpRefSeq ORF:1167 bpLocus ID:5733

UniProt ID: P43115

Cytogenetics: 1p31.1

Protein Families: Druggable Genome, GPCR, Transcription Factors, Transmembrane
Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

MW: 42.5 kDa

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]