

Product datasheet for RC208597L4

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

EP1 (PTGER1) (NM_000955) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: EP1 (PTGER1) (NM_000955) Human Tagged Lenti ORF Clone

Tag: mGFP
Symbol: EP1
Synonyms: EP1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC208597).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_000955

ORF Size: 1206 bp



EP1 (PTGER1) (NM_000955) Human Tagged Lenti ORF Clone - RC208597L4

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 000955.2</u>

 RefSeq Size:
 1458 bp

 RefSeq ORF:
 1209 bp

 Locus ID:
 5731

 UniProt ID:
 P34995

Cytogenetics: 19p13.12

Domains: 7tm 1

Protein Families: Druggable Genome, GPCR, Transmembrane

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

MW: 41.6 kDa

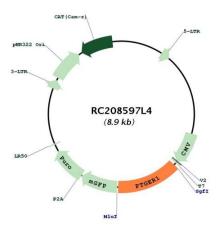
Gene Summary: The protein encoded by this gene is a member of the G protein-coupled receptor family. This

protein is one of four receptors identified for prostaglandin E2 (PGE2). Through a

phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotropic hormone response to bacterial endotoxin. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC208597L4