

Product datasheet for RC206692L2

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

OriGene Technologies, Inc.

PTGR1 (NM_012212) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PTGR1 (NM_012212) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: PTGR1

Synonyms: DIG-1; LTB4DH; PGR1; ZADH3

Mammalian Cell None

Selection:

Vector:pLenti-C-mGFP (PS100071)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC206692).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_012212

ORF Size: 987 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.

RefSeq: <u>NM 012212.2</u>, <u>NP 036344.1</u>

 RefSeq Size:
 1249 bp

 RefSeq ORF:
 990 bp

 Locus ID:
 22949

 UniProt ID:
 Q14914

 Cytogenetics:
 9q31.3

Protein Families: Druggable Genome

MW: 35.9 kDa

Gene Summary: This gene encodes an enzyme that is involved in the inactivation of the chemotactic factor,

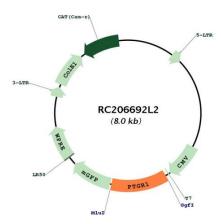
leukotriene B4. The encoded protein specifically catalyzes the NADP+ dependent conversion

of leukotriene B4 to 12-oxo-leukotriene B4. A pseudogene of this gene is found on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by

RefSeq, Mar 2009]



Product images:



Circular map for RC206692L2