

Product datasheet for RC206012L4

OriGene Technologies, Inc.

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GPR105 (P2RY14) (NM_014879) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GPR105 (P2RY14) (NM_014879) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: GPR105

Synonyms: BPR105; GPR105; P2Y14

Mammalian Cell Puromycin

Selection:

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

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

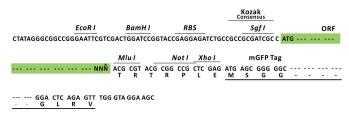
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC206012).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_014879

ORF Size: 1014 bp





GPR105 (P2RY14) (NM_014879) Human Tagged Lenti ORF Clone - RC206012L4

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 014879.3</u>, <u>NP 055694.2</u>

 RefSeq Size:
 2504 bp

 RefSeq ORF:
 1017 bp

 Locus ID:
 9934

 UniProt ID:
 015391

Cytogenetics: 3q25.1

Domains:

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

7tm 1

MW: 39 kDa

Gene Summary: The product of this gene belongs to the family of G-protein coupled receptors, which contains

several receptor subtypes with different pharmacological selectivity for various adenosine and uridine nucleotides. This receptor is a P2Y purinergic receptor for UDP-glucose and other UDP-sugars coupled to G-proteins. It has been implicated in extending the known immune

system functions of P2Y receptors by participating in the regulation of the stem cell

compartment, and it may also play a role in neuroimmune function. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]