

Product datasheet for RC204621L4

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.

GPR84 (NM_020370) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GPR84 (NM_020370) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: GPR84

Synonyms: EX33; GPCR4

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(RC204621).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_020370

ORF Size: 1188 bp



GPR84 (NM_020370) Human Tagged Lenti ORF Clone - RC204621L4

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 020370.1</u>

 RefSeq Size:
 1525 bp

 RefSeq ORF:
 1191 bp

 Locus ID:
 53831

 UniProt ID:
 Q9NQS5

Cytogenetics: 12q13.13

Protein Families: Druggable Genome, GPCR, Transmembrane

MW: 43.7 kDa

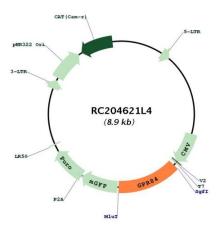
Gene Summary: Receptor for medium-chain free fatty acid (FFA) with carbon chain lengths of C9 to C14.

Capric acid (C10:0), undecanoic acid (C11:0) and lauric acid (C12:0) are the most potent agonists. Not activated by short-chain and long-chain saturated and unsaturated FFAs. Activation by medium-chain free fatty acid is coupled to a pertussis toxin sensitive G(i/o) protein pathway. May have important roles in processes from fatty acid metabolism to

regulation of the immune system.[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC204621L4