

Product datasheet for RC231184L3

OriGene Technologies, Inc.

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GPR120 (FFAR4) (NM_001195755) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GPR120 (FFAR4) (NM 001195755) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: GPR120

Synonyms: BMIQ10; GPR120; GPR129; GT01; O3FAR1; PGR4

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(RC231184).

Sgfl-Mlul

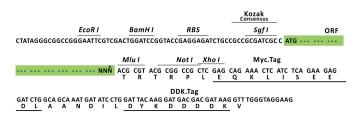
Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf 1 ORF Mlu 1

--- GCG ATC GCC ATG --- // --- NNN ACG CGT ---



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

ACCN: NM_001195755

ORF Size: 1083 bp





OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. <u>More info</u>

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 001195755.1</u>

 RefSeq ORF:
 1086 bp

 Locus ID:
 338557

 UniProt ID:
 Q5NUL3

 Cytogenetics:
 10q23.33

Protein Families: Druggable Genome, Transmembrane

MW: 40.9 kDa

Gene Summary: This gene encodes a G protein-coupled receptor (GPR) which belongs to the rhodopsin family

of GPRs. The encoded protein functions as a receptor for free fatty acids, including omega-3, and participates in suppressing anti-inflammatory responses and insulin sensitizing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by

RefSeq, Feb 2012]