

# Product datasheet for RC226955L4

#### OriGene Technologies, Inc.

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## GPR56 (ADGRG1) (NM\_001145774) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: GPR56 (ADGRG1) (NM\_001145774) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: GPR56

Synonyms: BFPP; BPPR; GPR56; TM7LN4; TM7XN1

Mammalian Cell Puromycin

Selection:

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

Sgfl-Mlul

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

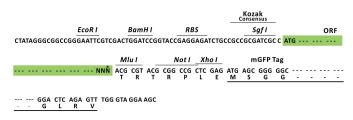
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC226955).

Sequence:

Restriction Sites: Cloning Scheme:

Sgf 1 ORF Mlu I

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

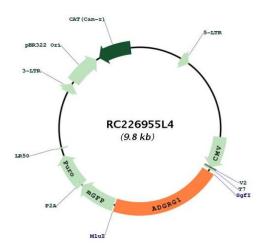


<sup>\*</sup> The last codon before the Stop codon of the ORF





#### Plasmid Map:



**ACCN:** NM\_001145774

ORF Size: 2061 bp

**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:** NM 001145774.1

RefSeq Size: 4050 bp RefSeq ORF: 2064 bp



### GPR56 (ADGRG1) (NM\_001145774) Human Tagged Lenti ORF Clone - RC226955L4

 Locus ID:
 9289

 UniProt ID:
 Q9Y653

 Cytogenetics:
 16q21

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**MW:** 77.1 kDa

**Gene Summary:** This gene encodes a member of the G protein-coupled receptor family and regulates brain

cortical patterning. The encoded protein binds specifically to transglutaminase 2, a component of tissue and tumor stroma implicated as an inhibitor of tumor progression. Mutations in this gene are associated with a brain malformation known as bilateral frontoparietal polymicrogyria. Alternative splicing results in multiple transcript variants.

[provided by RefSeq, Feb 2014]