

# **Product datasheet for RG223617**

### OriGene Technologies, Inc.

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## GPR123 (ADGRA1) (NM\_001083909) Human Tagged ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** GPR123 (ADGRA1) (NM\_001083909) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: ADGRA1

Synonyms: GPR123

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG223617 representing NM\_001083909
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGATCTGAAGACAGTGCTCTCCCTGCCCCGCTACCCAGGGGAGTTCCTGCACCCCGTGGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223617 representing NM\_001083909

Red=Cloning site Green=Tags(s)

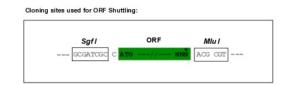
**MDLKTVLSLPRYPGEFLHPVV** 

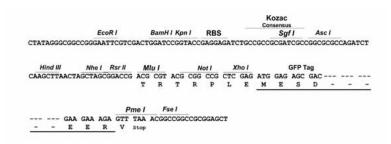
TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul

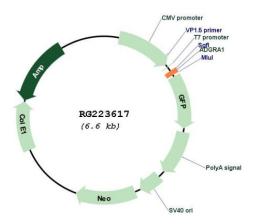


### **Cloning Scheme:**





### Plasmid Map:



**ACCN:** NM\_001083909

ORF Size: 1680 bp



#### GPR123 (ADGRA1) (NM\_001083909) Human Tagged ORF Clone - RG223617

**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 001083909.1</u>, <u>NP 001077378.1</u>

Q86SQ6

RefSeg Size: 4298 bp

 RefSeq ORF:
 1683 bp

 Locus ID:
 84435

Cytogenetics: 10q26.3

**UniProt ID:** 

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a protein that belongs to the adhesion family of G-protein-coupled

receptors. Members of this family function in several sensory systems and regulate blood pressure, immune responses, food intake and development. A similar protein in rodents is

thought to play a role in in the regulation of neuronal signaling pathways. Several

alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Mar 2014]