

## Product datasheet for **SC336268**

### **GPR123 (ADGRA1) (NM\_001291085) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPR123 (ADGRA1) (NM_001291085) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADGRA1
Synonyms:	GPR123
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC336268 representing NM\_001291085.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

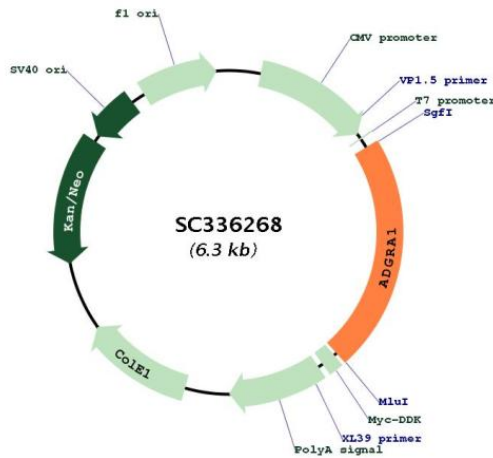
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**Restriction Sites:**

SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_001291085

**Insert Size:** 1392 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001291085.1</a>
<b>RefSeq Size:</b>	3700 bp
<b>RefSeq ORF:</b>	1392 bp
<b>Locus ID:</b>	84435
<b>UniProt ID:</b>	<a href="#">Q86SQ6</a>
<b>Cytogenetics:</b>	10q26.3
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	50.1 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) represents the use of an alternate promoter, contains a different 5' structure and uses a downstream start codon compared to variant 1. The resulting protein (isoform 2) has a shorter N-terminus compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>