

Product datasheet for **SC316063**

GPR123 (ADGRA1) (NM_001083909) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR123 (ADGRA1) (NM_001083909) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR123
Synonyms:	GPR123
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001083909 edited
 CCGCAACTTTGCAGCGCTCATGGATCTGAAGACAGTGCTCTCCCTGCCCGCTACCCAGG
 GGAGTTCTGCACCCCGTGGTGTACGCGTGCACGGCCGTATGCTGCTCTGCCTCCTGGC
 CTCCTTCGTACCTACATCGTGCACCAGAGCGCCATCCGCATCAGCCGCAAGGGCCGGCA
 CACGCTCCTGAATTTCTGCTTCCACGCGGCCCTGACCTTCACTGTGTTGCGCGGGCGCAT
 CAATCGCACCAAGTACCCCATCTGTGCCAGGCGGTGGGCATCGTGTGCTACTATTCTAC
 ACTGTCCACCATGCTGTGGATAGGAGTGACCGCCAGGAACATCTACAAGCAGGTGACCAA
 GAAGGCCCTCTGTGCCTGGACACAGACCAGCCACCGTACCCAGGCAGCCCTGCTCAG
 GTTTTACCTCGTACGCGAGGGGTCCCCTTTATCATCTGTGGGGTACGCGTGCCACGAA
 CATCAGGAATTACGGGACAGAGGACGAGGACACGGCGTACTGCTGGATGGCCTGGGAGCC
 CAGCCTGGGCGCCTTCTACGGCCAGCCGCATCATCACCTGGTCACTGTGTGTACTT
 CCTGGGCACCTACGTGCAGCTGCGGGCCACCCAGGGCGCAGGTACGAGCTGCGCACACA
 GCCCGAGGAGCAGCGCGGCTGGCGACACCCGAGGGCGGCCGTGGGATCCGGCCAGGCAC
 CCCACCCGCACACGATGCCCCGGCGCCTCCGTGCTGCAGAACGAGCACTATTCCAGGC
 ACAGCTGCGCGCCGCGCCTTACGCTGTTCTGTTCACGGCCAGTGGGCCTTCGGGGC
 GCTGGCGGTGTACAGGGCCACTTCTTGACATGGTCTTACGCTGCTGTACGGCGCCTT
 CTGCGTGACCCTGGGACTCTTCGTGCTCATCCACCACTGCGCAAGCGTGAGGACGTGTG
 GCAGTGTGTTGGGCATGCTGCCCGCCCGCAAGGACGCCACCCCGCACTTGACGCCAA
 CGGGGCCGCGCTGGGCGCGCCGCTGCTGCACTCGCCGGGACTGGGCCAGCCACGGGG
 CTTGCGCACCCACCGGGCCCTGCAAGATGACCAACCTGCAGGCCGCGCAGGGCCACGC
 CAGTTGCTGTACCGGCCACCCCGTGTGCGCCAAGATGCACTGCGAGCCACTGACGGC
 GGACGAGGCGCAGTGCACCTGCAGGAGGAGGGCGCCTTCGGGCACGACCCCACTGCA
 CGGGTGCCTTCAGGGCAGAATAAGCCGCCCTACTTTAGCCGGCACCCAGCAGAGGAGCA
 CGAGTACGCCTACCACATCCCATCCAGCCTGGATGGCAGCCCGCAGCTCGCGCACAGA
 CAGCCCCCAGCTCTCTGGATGGCCGCGGGACACACACGCTGGCCTGCTGACCCCA
 GGGCGACCCCTTCCCATGGTCAACCAGCCGAGGGCAGTGATGGGAGCCCTGCCCTCTA
 CAGCTGCCCCACGAGCCGGGAGGGAGGAGCGCTCGGGCCCGCCACTTGGAGATGCT
 GCGGAGGACACAGTCCCTGCCCTTGGTGGCCCCAGCCAGAACGGGCTGCCCAAGGGTAA
 ATTGCTAGAAGGCCTGCCGTTTGGCACCGGGACCGGCAACATCCGAACGGGACCCCTG
 GAAAAACGAAACTACTGTGTAG

- Restriction Sites:** Please inquire
- ACCN:** NM_001083909
- Insert Size:** 1700 bp
- OTI Disclaimer:** 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001083909.1](#), [NP_001077378.1](#)

RefSeq Size: 4298 bp

RefSeq ORF: 1683 bp

Locus ID: 84435

UniProt ID: [Q86SQ6](#)

Cytogenetics: 10q26.3

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). 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.