

Product datasheet for **SC302657**

GPR126 (ADGRG6) (NM_001032394) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPR126 (ADGRG6) (NM_001032394) Human Untagged Clone
Tag: Tag Free
Symbol: ADGRG6
Synonyms: APG1; DREG; GPR126; LCCS9; PR126; PS1TP2; STQTL1; VIGR
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001032394, the custom clone sequence may differ by one or more nucleotides

```
ATGATGTTTCGCTCAGATCGAATGTGGAGCTGCCATTGGAAATGGAAGCCAGTCCCTCTC
CTGTTCTTATTTGCTTTATATATCATGTGTTCCTCACTCAGTGTGGGGATGTGCCAAC
TGCCGAGTGGTTTTGTCCAACCTTCTGGGACCTTACTTCTCCATGCTACCCTAACGAC
TACCCAAACAGCCAGGCTTGCATGTGGACGCTCCGAGCCCCACCGTTATATCATTAG
ATAACATTTAACGACTTTGACATTGAAGAAGCTCCCAATTGCATTTATGACTCATTATCC
CTTGATAATGGAGAGAGCCAGACTAAATTTTGTGGAGCAACTGCCAAAGGCTATCATT
AACTCAAGTGCGAATGAGATGCATGTGCCTTTTCAAGTACTTTAGCATCCAGAAGAAA
GGTTTTCAATGCCAGCTACATCAGAGTTGCCGTGCCTTAAGGAATCAAAAAGGTCATTTTA
CCCCAGACATCAGATGCTTACCAGGTATCTGTTGCAAAAAGCATCTCTATTCCAGAGCTC
AGTGCTTTTCACTCTGCTTTGAAGCAACCAAAGTTGGCCATGAAGACAGTGATTGGACA
GCTTTCTCCTACTCAAATGCATCCTTACACAATTGCTCAGTTTTGGAAAGGCCAAGAGT
GGCTACTTTCTATCCATTTCTGATTCAAATGTTTGTGAATAATGCATTACCTGTCAA
GAAAAAGAAGACATTTTGCAGAAAGCTTTGAACAGCTCTGCCTTGTGGAAATAATTCT
TTGGGCTCTATTGGTGAAATTTCAAAGAAACTATGAAACAGTCCATGTGATTCTACC
ATTAGTAAAGTTATTCTGGGAATGGGAATTTGTTGGGCTCCAATCAAATGAAATT
GTCTCTCTAAAAGGGACATTTATAACTTTGACTTTGGAATTTTACCATGAATGCCAAA
ATCCTCTCCAACCTCAGCTGTAATGTGAAAGGGAATGTAGTCGACTGGCAAAATGACTTC
TGGAATATCCCAAACCTAGCTCTGAAAGCTGAAAGCAACCTAAGCTGTGGTTCTACCTG
ATCCCGCTCCCAGCAGCAGAAGCTGGCCAGCTGTGCAGACCTGGGGACCCTCTGTCAAGAT
GGAATTATCTATAGAATATCCGTAGTGATTCAGAACATCCTTCGTACCCTGAGGTAATA
GTACAGAGCAAGGTGGCAGAATGGCTCAATTCAACCTTCCAAAATGGAACTACACGGTT
TATGTCGTTAATATCAGTTTTACCTGAGTGTGGAGAGGACAAGATTAAGTCAAGAGA
AGCCTTGAGGATGAGCCAAGGTTGGTGCTTTGGGCCCTTCTAGTTTACAATGCTACCAAC
AATACTAATTTAGAAGGAAAAATCATTACGAGAAGCTCTAAAAAATAATGAGTCTTG
GATGAAGGCTTGAGGCTACATACAGTGAATGTGAGACAAGCTGGGTCATTGTCTTGCCATG
GAGGAACCCAAAGGCTACTACTGGCCATCTATCCAACCTTCTGAATACGTTCTTCTTGT
CCAGACAAGCCTGGCTTTTCTGCTTCTCGGATATGTTTTTACAATGCTACCAACCCATTG
GTAACCTACTGGGACCTGTTGATATCTCCAACGTGTTAAAAGAAGCAAAATGAAGTTGCT
AACCAGATTTTAAATTTAACTGCTGATGGGCAGAACTTAACTCAGCCAATATTACCAAC
```



[View online >](#)

```

ATTGTGGAACAGGTCAAAAAGAATTGTGAATAAAGAAGAAAACATTGATATAACACTTGGC
TCAACTCTAATGAATATATTTTCTAATATCTTAAGCAGTTCAGACAGTGACTTGCTTGAG
TCATCTTCTGAAGCTTTAAAAACAATTGATGAATTGGCCTTCAAGATAGACCTAAATAGC
ACATCACATGTGAATATTACAACCGGAACTTGGCTCTCAGCGTATCATCCCTGTTACCA
GGGACAAATGCAATTTCAAATTTTAGCATTGGTCTTCCAAGCAATAATGAATCGTATTTCC
CAGATGGATTTTGAGAGTGGACAAGTGGATCCACTGGCATCTGTAAATTTTGCCTCCAAAC
TTACTTGAGAATTTAAGTCCAGAAGATTCTGTATTAGTTAGAAGAGCACAGTTTACTTTT
TTCAACAAAACCTGGACTTTTCCAGGATGTAGGACCCCAAAGAAAACTTTAGTGAGTTAT
GTGATGGCGTGCAGTATTGGAAACATTACTATCCAGAATCTGAAGGATCCTGTTCAAATA
AAAATCAAACATAACAAGAACTCAGGAAGTGCATCATCCCATCTGTGCCTTCTGGGATCTG
AACAAAAACAAAAGTTTGGAGGATGGAACACGTCAGGATGTGTTGCACACAGAGATTCA
GATGCAAGTGAGACAGTCTGCCTGTGTAACCACTTACACACTTTGGAGTTCTGATGGAC
CTTCCAAGAGTGCCTCACAGTTAGATGCAAGAAACACTAAAGTCTCACTTTCATCAGC
TATATTGGGTGTGAATATCTGCTATTTTTTTCAGCAGCAACTCTCCTGACATATGTTGCT
TTTGAGAAATTGCGAAGGGATTATCCCTCCAAAATCTTGATGAACCTGAGCACAGCCCTG
CTGTTCCCTGAATCTCCTCTTCTCCTAGATGGCTGGATCACCTCCTTCAATGTGGATGGA
CTTTGCATTGCTGTTGCAGTCTGTTGCATTTTCTCCTTCTGGCAACCTTACCTGGATG
GGGCTAGAAGCAATTCACATGTACATTGCTCTAGTTAAAGTATTTAACACTTACATTGCG
CGATACATTCTAAAATCTGCATCATTGGCTGGGGTTTGCCTGCCTTAGTGGTGTGAGTT
GTTCTAGCGAGCAGAAACAACAATGAAGTCTATGGAAAAGAAAGTTATGGGAAAGAAAA
GGTGATGAATTTCTGGATTCAAGATCCAGTCATATTTTATGTGACCTGTGCTGGGTAT
TTTGGAGTCATGTTTTTCTGAACATTGCCATGTTTATTGTTGTAATGGTGCAGATCTGT
GGGAGGAATGGCAAGAGAAGCAACCGGACCTGAGAGAAGAAGTTAAGGAACCTGCGC
AGTGTGGTTAGCTTGACCTTTCTGTTGGCATGACATGGGGTTTTGCATTTTGCCTGG
GGACCCTTAAATATCCCCTTTCATGTACCTTCTCCATCTTCAATTCATTACAAGGCTTA
TTTATATTCATCTTCCACTGTGCTATGAAGGAGAATGTTCAAGAAACAGTGGCGGGCGCAT
CTCTGCTGTGGTAGATTTTCGGTTAGCAGATAACTCAGATTGGAGTAAGACAGCTACCAAT
ATCATCAAGAAAAGTTCTGATAATCTAGGAAAATCTTTGTCTTCAAGCTCCATTGGTTCC
AACTCAACCTATCTTACATCCAAATCTAAATCCAGCTCTACCACCTATTTCAAAGGAAT
AGCCACACAGATAATGTCTCCTATGAGCATTCTTCAACAAAAGTGGATCACTCAGACAG
TGCTTCCATGGACAAGTCTTGCAAAAACCTGGCCCATGCTGA

```

- Restriction Sites:** Please inquire
- ACCN:** NM_001032394
- 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_001032394.1](#), [NP_001027566.1](#)

RefSeq Size: 6864 bp

RefSeq ORF: 3582 bp

Locus ID: 57211

UniProt ID: [Q86SQ4](#)

Cytogenetics: 6q24.2

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: This gene, which is upregulated in human umbilical vein endothelial cells, encodes a G protein-coupled receptor. Variations in this gene can affect a person's stature. Multiple transcript variants encoding different proteins have been found for this gene. [provided by RefSeq, Mar 2009]

Transcript Variant: This variant (a2) lacks an alternate in-frame exon and contains an alternate coding exon in the 3' end of the transcript compared to variant b1, that causes a frameshift. The resulting isoform (alpha 2) is shorter and has a distinct C-terminus compared to isoform beta 1.