

Product datasheet for **RG221210**

GPR126 (ADGRG6) (NM_198569) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR126 (ADGRG6) (NM_198569) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADGRG6
Synonyms:	APG1; DREG; GPR126; LCCS9; PR126; PS1TP2; STQTL1; VIGR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221210 representing NM_198569 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGTTTTCGCTCAGATCGAATGTGGAGCTGCCATTGGAATGGAAGCCAGTCTCTCTGTTCTTAT
TTGCTTTATATATCATGTGTCTCTCACTCAGTGTGGGATGTGCCAAGTCCGAGTGGTTTTGTCCAA
CCCTTCTGGGACCTTTACTTCTCCATGCTACCCTAACGACTACCCAAACAGCCAGGCTTGCATGTGGACG
CTCCGAGCCCCACCGGTTATATCATTAGATAACATTTAACGACTTTGACATTGAAGAAGTCCCAATT
GCATTTATGACTCATTATCCCTTGATAATGGAGAGAGCCAGACTAAATTTGTGGAGCAACTGCCAAAGG
CCTATCATTTAACTCAAGTGCGAATGAGATGCATGTGTCCTTTTCAAGTACTTTAGCATCCAGAAGAAA
GGTTTTCAATGCCAGCTACATCAGAGTTGCCGTGTCCTTAAGGAATCAAAAGGTCATTTTACCCAGACAT
CAGATGCTTACCAGGTATCTGTTGCAAAAAGCATCTCTATTCCAGAGCTCAGTGTCTTACACTCTGCTT
TGAAGCAACCAAGTTGGCCATGAAGACAGTGATTGGACAGCTTCTCTACTCAATGCATCCTTACACA
CAATTGCTCAGTTTTGAAAGGCCAAGAGTGGCTACTTTCTATCCATTTCTGATTCAAAATGTTTGTGA
ATAATGCATTACCTGTCAAAGAAAAGAAGACATTTTGCAGAAAGCTTTGAACAGCTCTGCCTGTTTGA
GAATAATCTTTGGGCTCTATTGGTGAAATTTCAAAGAAACTATGAAACAGTTCATGTGATTCTACC
ATTAGTAAAGTTATTCCTGGGAATGGGAATTTGTTGGGCTCAATCAAAATGAAATTTGCTCTCTAA
AAGGGGACATTTATAACTTTGACTTTGGAAATTTACCATGAATGCCAAAATCCTCTCAACCTCAGCTG
TAATGTGAAAGGGAATGTAGTCGACTGGCAAAATGACTTCTGGAATATCCCAAACCTAGCTCTGAAAGCT
GAAAGCAACCTAAGCTGTGGTTCCTACCTGATCCCGCTCCAGCAGCAGAACTGGCCAGCTGTGCAGACC
TGGGGACCCTCTGTCAAGCTACTGTAACTCTCTAGTACTACACCACCCACTGTCACCCTAACATGCC
TGTTACTAACAGAATCGATAAACAAAGGAATGATGGAATATCTATAGAATATCCGTAGTGATTGAGAAC
ATCCTTCGTCACCCTGAGGTAAGTACAGAGCAAGGTGGCAGAAATGGCTCAATTAACCTTCCAAAATT
GGAACACACGGTTTATGTCGTTAATATCAGTTTTACCTGAGTGTGGAGAGGACAAGATTAAGTCAA
GAGAAGCCTTGAGGATGAGCCAAGTGTGCTTTGGGCCCTTCTAGTTACAATGCTACCAACAATACT



[View online »](#)

AATTTAGAAGGAAAAATCATTCAGCAGAAGCTCCTAAAAAATAATGAGTCCTTGGATGAAGGCTTGAGGC
TACATACAGTGAATGTGAGACAACCTGGGTATTGTCTTGCCATGGAGGAACCCAAAGGCTACTACTGGCC
ATCTATCCAACCTTCTGAATACGTTCTTCTTGTCCAGACAAGCCTGGCTTTTCTGCTTCTCGGATATGT
TTTTACAATGCTACCAACCCATTGGTAACCTACTGGGGACCTGTTGATATCTCCAACCTGTTTAAAAGAAG
CAATGAAGTTGCTAACCAGATTTAAATTTAACTGCTGATGGCAGAACTTAACCTCAGCCAATATTAC
CAACATTGTGGAACAGGTCAAAAGAATTGTGAATAAAGAAGAAAAACATTGATATAACACTTGGCTCAACT
CTAATGAATATATTTTCTAATATCTTAAGCAGTTCAGACAGTGACTTGCTTGAGTCATCTTCTGAAGCTT
TAAAAACAATTGATGAATTGGCCTTCAAGATAGACCTAAATAGCACATCACATGTGAATATTACAACCTG
GAACCTTGCTCTCAGCGTATCATCCCTGTTACCAGGGACAAATGCAATTTCAAATTTTAGCATTGGTCTT
CCAAGCAATAATGAATCGTATTTCCAGATGGATTTGAGAGTGGACAAGTGGATCCACTGGCATCTGTAA
TTTTGCCTCCAACTTACTTGAGAATTTAAGTCCAGAAGATTCTGTATTAGTTAGAAGAGCACAGTTTAC
TTTCTTCAACAAACTGGACTTTTCCAGGATGTAGGACCCCAAAGAAAACTTTAGTGAGTTATGTGATG
GCGTGCAGTATTGGAAACATTACTATCCAGAATCTGAAGGATCCTGTTCAAATAAAAAATCAAACATAAA
GAACTCAGGAAGTGCATCATCCCATCTGTGCCTTCTGGGATCTGAACAAAAACAAAAGTTTTGGAGGATG
GAACACGTCAGGATGTGTGCACACAGAGATTCAGATGCAAGTGAGACAGTCTGCCTGTGTAACCACTTC
ACACACTTTGGAGTTCTGATGGACCTTCCAAGAAGTGCCTCACAGTTAGATGCAAGAAACACTAAAGTCC
TCACTTTCATCAGCTATATTGGGTGTGGAATATCTGCTATTTTTTTCAGCAGCAACTCTCCTGACATATGT
TGCTTTTGAGAAATTGCGAAGGGATTATCCCTCCAAAATCTTGATGAACCTGAGCACAGCCCTGCTGTTT
CTGAATCTCCTCTTCTCCTAGATGGCTGGATCACCTCCTTCAATGTGGATGGACTTTGCATTGCTGTTG
CAGTCTGTTGCATTTCTTCTTCTGGCAACCTTTACCTGGATGGGGCTAGAAGCAATTCACATGTACAT
TGCTCTAGTTAAAGTATTTAACTTACATTGCCGATACATTCTAAAATCTGCATCATTGGCTGGGGT
TTGCCTGCCTTAGTGGTGCAGTTGTTCTAGCGAGCAGAAACAACAATGAAGTCTATGAAAAGAAAAGTT
ATGGGAAAGAAAAGGTGATGAATCTGTTGGATTCAAGATCCAGTCATATTTTATGTGACCTGTGCTGG
GTATTTTGGAGTCATGTTTTTCTGAACATTGCCATGTTTATTGTTGTAATGGTGCAGATCTGTGGGAGG
AATGGCAAGAGAAGCAACCGGACCTGAGAGAAGAAGTGTAAAGGAACCTGCGCAGTGTGGTTAGCTTGA
CCTTTCTGTTGGGCATGACATGGGGTTTTGCATCTTTGCCTGGGGACCTTAAATATCCCTTTCATGTA
CCTCTTCTCCATCTTCAATTCATTACAAGGCTTATTTATATTATCTTCCACTGTGCTATGAAGGAGAAT
GTTTCAAGAACAGTGGCGGCGCATCTCTGCTGTGGTAGATTTTCGTTAGCAGATAACTCAGATTGGAGTA
AGACAGCTACCAATATCATCAAGAAAAGTTCTGATAATCTAGGAAAATCTTTGTCTTCAAGCTCCATTGG
TTCCAACCTCAACCTATCTTACATCCAAATCTAAATCCAGCTCTACCACCTATTTCAAAGGAATAGCCAC
ACAGACAGTGTCTCCATGGACAAGTCTTGTCAAACCTGGCCATGCTGATGGAGATCAAACATCAATCA
TCCCTGTCCATCAGGTCATTGATAAGGTCAAGGGTTATTGCAATGCTCATTGAGACAACCTCTATAAAAA
TATTATCATGTCAGACACCTTACGCCACAGCACAAAAGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG221210 representing NM_198569
 Red=Cloning site Green=Tags(s)

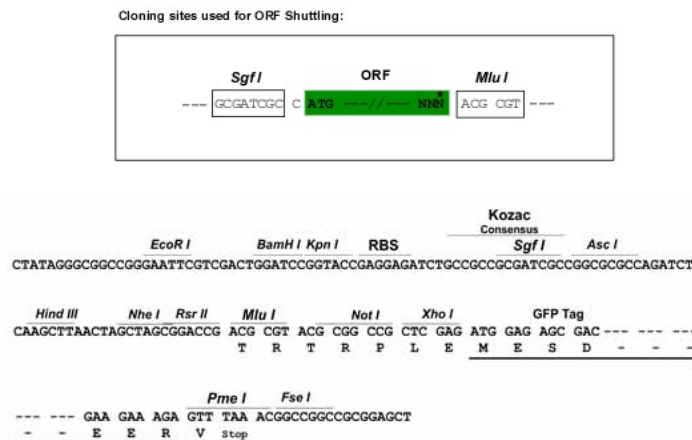
```
MMFRSDRMWSCHWKWKPSLLFLFALYIMCVPHSVWGCANCRVLLSNPSGTFTSPCYPNDYPNSQACMWT
LRAPTGYIIQITFNDFDIEEAPNCIYDSLSDNGESQTKFCGATAKGLSFNSSANEMHVSFSSDFSIQKK
GFNASYIRVAVSLRNQKVIPLQTS DAYQVSVAKSISIPELSAFTLCFEATKVGHEDSDWTAFSYSNASFT
QLLSFGKAKSGYFLSISDSKCLLNNALPVKEKEDIFAESFEQLCLVWNNLSGIGVNFKRNYETVPCDST
ISKVIPGNGLKLLGSNQNEIVSLKGDYINFRLLWNFTMNAKILSNLSCNVKGNVVDWQNDWFNIPNLAKA
ESNLSCGYSYLIPLPAAELASCADLGTLCQATVNSPSTTPPTVTTNMPVTNRIDKQRNDGIIYRISVVIQN
ILRHPEVKVQSKVAEWLNSTFQNWNYTVYVVISFHL SAGEDKIKVKRSLEDEPRLVLWALLVYNATNNT
NLEGKIIQQKLLKNESLDEGLRLHTVNRQLGHCLAMEEPKGYWPSIQPSEYVLPKDPKPGFSASRIC
FYNATNPLVTYWGPVDISNCLKEANEVANQILNLTADGQNLTSANITNIVEQVKRIVNKEENIDITLGST
LMNIFSNILSSSDSLLSSSEALKTIDELAFKIDLNSTSHVNIITRNALSVSSLLPGTNAISNFSIGL
PSNNESYFQMDFESGQVDPLASVILPNNLENLSPEDSVLVRRAQFTFFNKGTGLFQDVGPRKTLVSYVM
ACSIGNITIQLKDPVQIKIKHTRTQEVHHPICAFWDLNKNKSFSGWNTSGCVAHRSDASETVCLCNHF
THFGVLMDLPRASQLDARNTKVLTFISYIGCGISAIFSAATLLTYVAFEKLRDYPSKILMNLSTALLF
LNLLFLLDGWITSFNV DGLCIAVAVLLHFFLLATFTWMGLEAIHMYIALVKVFNTYIRRYILKFCIIGWG
LPALVVSVVLASRNNNEVYGKESYGKEKGFECWIQDPVIFYVT CAGYFGVMFFLNIA MFI VVMVQICGR
NGKRSNRLLREEVLRNLRSVVSLTFL LGMTWGF AFFAWGPLNIPFMYLFSIFNSLQGLFIFIFHCAMKEN
VQKQWRRHLCCGRFRLADNSDWSKTATNI IKKSSDNLGKSLSSSSIGSNSTYLT SKSKSSSTTYFKRNSH
TDSASMDKSLSKLAHADGDQTSIIPVHQVIDKVKGYCNAHSDNFYKNIIMS DTF SHSTKF
```

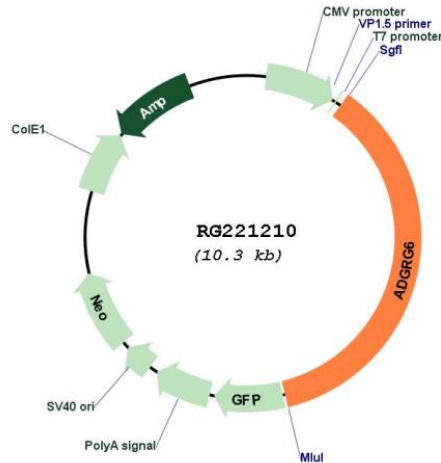
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_198569

ORF Size: 3750 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_198569.2](#), [NP_940971.1](#)

RefSeq Size: 6934 bp

RefSeq ORF: 3753 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]