

Product datasheet for **SC306669**

GPR111 (ADGRF2) (NM_153839) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR111 (ADGRF2) (NM_153839) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR111
Synonyms:	GPR111; hGPCR35; PGR20
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_153839 edited
 ATGGGGCTGACTGCCTATGGGAACCGCAGGGTCCAGCCTGGGGAGCTGCCATTCGGGGCT
 AACTTGACTCTCATCCATAACAAGAGCCAGCCTGTGATTTGTAGCAAGCTTCTCTTGACA
 AAGAGAGTGAGTCCCATCTTTTCTTGTCCAAATTTCAAATTCCTGGGGTGAGGAT
 GGATGGTTTCAGTTGGATCAACTGCCATCCCCTAATGCAGTCAGCTCTGACCAAGTACAC
 TGTTTCAGCTGGCTGCACACACAGGAAATGTGGATGGGCTGCAAGCAAAAGCAAGGAGAAG
 GTGCCTGCCAGGCCACACGGTGTATGCGATGGTGTCTGTACAGACTACTCCCAGTGTACT
 CAACCTTGCCCTCCAGACACTCAGGAAAATATGGGGTTTTTCATGCAGGCAAAAGACATGG
 CACAAGATCACTGACACCTGCCAGACTCTTAATGCCCTCAACATCTTTGAGGAGGATTCA
 CGTTTGGTTCAGCCATTTGAAGACAATATAAAAAAAGTGTATATACTGGAAAGTCTGAG
 ACCATAACAGATATGTTGCTACAAAAGTGTCCACAGATCTGTCTGTGTAATTAGAAAC
 ATTCAGCAGTCTCCCTGGATACCAGGAAACATTGCCGTAATTGTGCAGCTTTACACAAC
 ATATCAACAGCAATATGGACAGGTGTTGATGAGGCAAAGATGCAGAGTTACAGCACCATA
 GCCAACACATTCTTAACAGCAAAAGCATCTCCAAGTGGACTTTCATTCTGACAGAAAC
 AGCAGCTATATCCTGCTACATTCAGTCAACTCCTTTGCAAGAAGGCTATTCATAGATAAA
 CATCCTGTTGACATATCAGATGTCTTCATTCATACTATGGGCACCACCATATCTGGAGAT
 AACATTGGAAAAATTTCACTTTTTCTATGAGAATTAATGATACCAGCAATGAAGTCACT
 GGGAGAGTGTTGATCAGCAGAGATGAACTTCGGAAGGTGCCTTCCCCTTCTCAGGTCATC
 AGCATTGCATTTCCAACATTTGGGGCTATTTTGGAAAGCCAGTCTTTTGGAAAATGTTACT
 GTAAATGGGCTTGTCTGTCTGCCATTTTGCCCAAGGAACTTAAAAGAATCTCACTGATT
 TTTGAAAAGATCAGCAAGTCAGAGGAGAGGAGGACACAGTGTGTTGGCTGGCACTCTGTG
 GAGAACAGATGGGACCAGCAGGCCTGCAAAATGATTCAAGAAAACCTCCAGCAAGCTGTT
 TGCAAATGTAGGCCAAGCAAATTTGTTACCTCTTTCTCAATTCTTATGTCACCTCACATC
 TTAGAGAGTCTGATTCTGACTTACATCACATATGTAGGCCTGGGCATTTCTATTTGCAGC
 CTGATCCTTTGCTTGTCCATTGAGTCTAGTCTGGAGCCAAGTACAAAAGACAGAGATC
 ACCTATTTACGCCATGTGTGCATTGTTAACATTGCAGCCACTTTGCTGATGGCAGATGTG
 TGGTTCATTGTGGCTTCTTTCTTAGTGGCCCAATAACACACCACAAGGGATGTGTGGCA
 GCCACATTTTTTGTTCATTTCTTTACCTTTCTGTATTTTTCTGGATGCTTGCCAAGGCA
 CTCCTTATCCTCTATGGAATCATGATTGTTTTCCATACCTTGCCCAAGTCACTCTGGTG
 GCATCTCTGTTTTCACTGGGCTATGGATGCCCTTTGGCCATTGCTGCCATCACTGTTGCT
 GCCACTGAACCTGGCAAAGGCTATCTACGACCTGAGATCTGCTGGCTCAACTGGGACATG
 ACCAAAGCCCTCCTGGCCTTCGTGATCCCAGCTTTGGCCATCGTGGTAGTAAACCTGATC
 ACAGTCACACTGGTGATTGTCAAGACCCAGCGAGCTGCCATTGGCAATTCATGTTCCAG
 GAAGTGAGAGCCATTGTGAGAATCAGCAAGAACATCGCCATCCTCACACCACTTCTGGGA
 CTGACCTGGGGATTTGGAGTAGCCACTGTCATCGATGACAGATCCCTGGCCTTCCACATT
 ATCTTCTCCCTGCTCAATGCATTCCAGGTAAGTCCAGATGCTTCTGACCAAGTGCAAAGT
 GAGAGAATTCATGAAGATGTTCTGTAG

Restriction Sites: Please inquire

ACCN: NM_153839

Insert Size: 2100 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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_153839.2](#), [NP_722581.2](#)

RefSeq Size: 2523 bp

RefSeq ORF: 1929 bp

Locus ID: 222611

UniProt ID: [Q8IZF7](#)

Cytogenetics: 6p12.3

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Orphan receptor.[UniProtKB/Swiss-Prot Function]