

## Product datasheet for **SC100690**

### GPR116 (ADGRF5) (NM\_015234) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR116 (ADGRF5) (NM_015234) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR116
Synonyms:	GPR116; KPG_001
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>SC100690 representing NM_015234. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAAATCCCAAGGAGAACCACCTTTGTGCCTCATGTTTATTGTGATTTATTCTTCCAAAGCTGCACTG
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TACAGTATTGCAACCAAAGACGTCATTGTTACCCCGCTGCCTCTAAAGCTGAACATCATGGTTGATCCT  
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_015234 unedited  
 NGGTGACAAATTTGTATACGACTCATATAGGCGGCCGCAAATTCGCACGAGGCACCTC  
 TGCTCCCAGCAGCCTGGGAACCCGAAGATCCCCAGCATTGGAAGTCTGGTCTTGTGAAA  
 CCCCACCTCCTCTGGCTGTGTGATTGAATGGGATGCCCTCGAGGTTACCTCACCTGAG  
 AGGGTTTTGGGACAGATCAGCAGTAAGGTGTTAAATTTTGAAGCCTGAAAACCTCAGAAG  
 AGAAAGGCCAACCAACTCAAACCTGAAGACATGAAATCCCCAAGGAGAACCACCTTTGTGC  
 CTCATGTTTATTGTGATTTATCTTCCAAAGCTGCACTGAACTGGAATTACGAGTCTACT  
 ATTCATCCTTTGAGTCTTCATGAACATGAACCAGCTGGTGAAGAGGCACTGAGGCAAAAA  
 CGAGCCGTTGCCACAAAAGTCTACGGCTGAAGAATACACTGTTAATATTGAGATCAGT  
 TTTGAAAATGCATCCTTCTGGATCCTATCAAAGCCTACTTGAACAGCCTCAGTTTTCCA  
 ATTCATGGGAATAACACTGACCAAAATTAAGTACTGACATTTTGAAGCATAAATGTGACAACAGTC  
 TGACAGCCTGCTGGAATGAAATCTGGTCTCCTGCGAGACAGGTTATGGGTGGCCTCGG  
 GAAAGGTGCTTTCACAATCTCATTTGTCAAGAGCGTGACGTCTTCTCCAGGCACCATT  
 GCAGTTGCCTTAAAGACTGCCTCCAATGGACCTTNTGCCTGCTTCANGAAGATGTTACC  
 CTGAACATGAGAGTCAGACTAAATGTANGCTTTCAAGAAGACCTCATGAACACTTCTCCTNN  
 CGCCTCTATTAGTCCCTACAGACGACTTGAACAGCGTNNCGAAGGGTACGGATTTTACC  
 AGCTCAAGGCGTGACTT

<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015234
<b>Insert Size:</b>	4041 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	<u>NM_015234.3</u>
RefSeq Size:	5514 bp
RefSeq ORF:	4041 bp
Locus ID:	221395
UniProt ID:	<u>Q8IZF2</u>
Cytogenetics:	6p12.3
Domains:	GPS, 7tm_2, ig, IGc2, IG
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	149.5 kDa
Gene Summary:	Receptor that plays a critical role in lung surfactant homeostasis. May play a role in controlling adipocyte function.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same isoform.