

## Product datasheet for **SC307189**

### GPR119 (NM\_178471) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR119 (NM_178471) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR119
Synonyms:	GPCR2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_178471, RT-PCR generated  
GACATGGAATCATCTTTCTCATTGGAGTGATCCTTGCTGCTGCCTGGCCTCCCTCATCATT  
GCTACTAACACACTAGTGGCTGTGGCTGTGCTGCTGTTGATCCACAAGAATGATGGTGTC  
AGTCTCTGCTTACCTTGAATCTGGCTGTGGCTGACACCTTGATTGGTGTGGCCATCTCT  
GGCCTACTCACAGACCAGCTCTCCAGCCCTTCTCGGCCACACAGAAGACCCTGTGCAGC  
CTGCGGATGGCATTGTCACTTCTCCGAGCTGCCTCTGCTCCTCACGGTCATGCTGATC  
ACCTTTGACAGGTACCTTGCCATCAAGCAGCCCTTCCGCTACTTGAAGATCATGAGTGGG  
TTCGTGGCCGGGGCTGCATTGCCGGGCTGTGGTTAGTGTCTTACCTCATTGGCTTCTC  
CCACTCGAATCCCATGTTCCAGCAGACTGCCTACAAAGGGCAGTGCAGCTTCTTTGCT  
GTATTTACCCTCACTTCGTGCTGACCCTCTCCTGCGTTGGCTTCTTCCAGCCATGCTC  
CTCTTTGTCTTCTACTGCGACATGCTCAAGATTGCCTCCATGCACAGCCAGCAGATT  
CGAAAGATGGAACATGCAGGAGCCATGGCTGGAGTTATCGATCCCACGACTCCCAGC  
GACTTCAAAGCTCTCCGTA CTGTCTGTTCTCATTGGGAGCTTTGCTCTATCCTGGACC  
CCCTTCTTATCACTGGCATTGTGCAGGTGGCCTGCCAGGAGTGTACCTCTACCTAGTG  
CTGGAACGGTACCTGTGGCTGCTCGGCGTGGGCAACTCCCTGCTCAACCCACTCATCTAT  
GCCTATTGGCAGAAGGAGGTGCGACTGCAGCTCTACCACATGGCCCTAGGAGTGAAGAAG  
GTGCTCACCTCATTCTCCTCTTCTCTCGGCCAGGAATTGTGGCCAGAGAGGCCCAGG  
GAAAGTTCCTGTCACATCGTCACTATCTCCAGCTCAGAGTTTGATGGCTAAGACGGTA



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_178471 unedited NCCCTTNNNNNNNCTCNGGGNNNNNNNTTTNTTCCNCCAGTCAGATTGNTAAGATCA TAAGGCGCCCAATCATATGGTCCGACTCGGTCCCTATAAGGCGCCCATGTGCTGGNATT CGGCTTGNCATGGAATCATCTTTCTCATTTGNGATGTTTCCTTGTCTGCTGGCCTCCCT CATCATTGCTACTAACACACTAGTGGCTGTGGCTGTGCTGCTGTTGATCCACAANAATGA TGGTGTCACTCTGTCTCACCTTGAATCTGGCTGTGGCTGACACCTTGATTGGTGTGGC CATCTCTGGCCTACTCACAGACCAGCTCCTCCAGCCCTTCTCTGGCCCAACGGAAGAC CCTGTGCAACCCTGCGGATGGGAATTTTGTCAATTCCTACCGCAGCCTGCCTTCTGTCC CTCACGGGGCATGGCCGGTTTACCCTTTTTGAACAGGGACCCCTTGGCAATTCAGAGAA GGCCCTTATGAACGAGGGGAAGAAAATAGACAGGAAACAAAATTTTATAACAATGGGCGC CGTGGGGCAGGGAGAAGACAAAACAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA AGAAAAAGACAGGAAGAAGTTTTAAAGAATGAGAGAG
<b>3' Read Nucleotide Sequence:</b>	>Forward primer walk for NM_178471 unedited AAGTGAAGGGAGTGCAGTGCCTCTCCATGGCCCTAGNATGAAGAAGTGTCTCACCTCAT TCCTCCTTTTCTCTCGCCAGGAATTGTGGCCAGAGAGGCCAGGAAAGTTCCTGTCT ACATCGTCACTATCTCCAGCTCAGAGTTTGTGGCTAAGACGGTAAAGCCGAATTCTGCA GATATCCATCACACTGGCGGCCGCGGTCTAGCTGTTTCTGAACAGATCCCGGGTGGCA TCCCTGTGACCCCTCCCAAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGGCCAC CAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCTTCTATAA TATTATGGGGTGGAGGGGGTGGTATGGAGCAAGGGGCAAGNTGGGAAGACAANCNGNA GGGNNNGGGGNAANGGGGAACCAAGCNGGAGGGCAGNGGCACAANCNGGGCNCACGG CAANCNCCGCCCCGGGGNNCAAGCGAANCNCCGGCCNCAGCCNCCGAGNNGGNGGGAN NCCAGGCAGGCAGGACCAGGCCAGCNAANNNGGGNNNNNGGNAGAGACGGGGNGNCA CCAAAGGGGCCAGGCGGGGCCCCACGCCCAAACGCAAGGGAACCCACCCCGGGGCCCC CCAAACGCGGGGAANACAGGCGGGGAACACGGCGCCCNCCAGGCCCGCCGGAANGGA AAAAAACAAAACAGCAGGGAGGGAAGGCCCGGACACCGCAAAAAGGAAGCCGGGGCAA GGCACCAACCGGGGGGAACAGCGAGAGAGCGGCCAGCGGGGGCCCAAGGCCGACACAAGC GGGAGGGGGCCACACCAGCAGAAGCCCCGCAAGAAAAGGAAACCCCGGCCCGCCAGGG NAGGGAAAGAGGGGGG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_178471
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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>

RefSeq:	<u>NM_178471.1, NP_848566.1</u>
RefSeq Size:	1008 bp
RefSeq ORF:	1008 bp
Locus ID:	139760
UniProt ID:	<u>Q8TDV5</u>
Cytogenetics:	Xq26.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	This gene encodes a member of the rhodopsin subfamily of G-protein-coupled receptors that is expressed in the pancreas and gastrointestinal tract. The encoded protein is activated by lipid amides including lysophosphatidylcholine and oleoylethanolamide and may be involved in glucose homeostasis. This protein is a potential drug target in the treatment of type 2 diabetes.[provided by RefSeq, Jan 2010]