

## Product datasheet for **SC326097**

### GPR107 (NM\_001136557) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GPR107 (NM\_001136557) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GPR107  
**Synonyms:** bA138E2.2; GCDRP; LUSTR1  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001136557 edited  
 CTGGAACAAACATGGCCGCTCTGGCGCCGTCGGCTCCCCCGCTCCCGCGGTCTTAGGC  
 TGGCCGCGGGCCTCCGGCTGCTCCCAATGCTGGGTTTGTCTGAGTTGCTGGCCGAGCCTG  
 GCCTGGGCGCGTCCATCACCTGGCACTCAAGGATGATGTGAGGCATAAAGTTTCACTCTGA  
 ACACCTTTGGCTTCTTCAAGGATGGGTACATGGTGGTGAATGTCAGTAGCCTCTCACTGA  
 ATGAGCCTGAAGACAAGGATGTGACTATTGGATTTAGCCTAGACCGTACAAGAATGATG  
 GCTTTTCTTCTTACCTGGATGAAGATGTGAATTACTGTATTTTAAAGAAACAGTCTGTCT  
 CTGTCCACCCTTTAATCCTAGACATCTCCAGAAGTGAGGTAAGAGTAAAGTCTCCACCAG  
 AAGCTGGTACCCAGTTACCAAAGATCATCTTCAGCAGGGATGAGAAAGTCCCTGGTCAGA  
 GCCAGGAGCCTAATGTTAACCCTGCTTCAGCAGGCAACCAGACCAGAAGACACAAGATG  
 GTGGAAAGTCTAAAAGAAGTACAGTGGATTCAAAGGCCATGGGAGAGAAATCCTTTTCTG  
 TTCATAATAATGGTGGGCGAGTGCATTTTCAGTTTTTCTTAAACATCAGCACTGATGACC  
 AAGAAGGCCTTTACAGTCTTTATTTTCATAAATGCCTTGAAAAGAATTGCCAAGTGACA  
 AGTTTACATTCAGCCTTGATATTGAGATCACAGAGAAGAATCCTGACAGCTACCTCTCAG  
 CAGGAGAAATTCCTCTCCCAAATTATACATCTCAATGGCCTTTTTCTTCTTTCTTTCTG  
 GGACCATCTGGATTCATATCCTTCGAAAACGACGGAATGATGTATTTAAATCCACTGGC  
 TGATGGCGGCCCTTCCTTTCACCAAGTCTCTTTCCTTGGTGTCCATGCAATTGACTACC  
 ACTACATCTCCTCCAGGGCTTCCCTATCGAAGGCTGGGCTGTTGTGACTACATAACTC  
 ACCTTTTGAAGGGGCGCTACTTTCATCACCATTGCACACTTGGCACTGGCTGGGCTT  
 TCATTAAGCACATCCTTTCTGATAAAGACAAAAAGATCTTCATGATTGTCATTCCACTCC  
 AGGTCCTGGCAAATGTAGCCTACATCATATAGAGTCCACCGAGGAGGGCAGCACTGAAT  
 ATGGCTTGTGGAAGGACTCTCTATTTCTGGTCGACCTGTTGTGTTGTGGTGCCATCCTCT  
 TCCAGTGGTGTGGTCAATCAGACATTTACAAGAAGCATCAGCAACAGATGGAAAAGGTG  
 ACAGCATGGGACCTTTCAGCAGAGAGCGAATCTAAGAGCAGGAAGTCGCATAGAGTCTC  
 ACCATTTGCCCAGGCTGATCTTGAACCTCTGGCCTCTAGCTGTCCTCCTGCCTCAGTCT  
 CCCAAAGGGCTGGGATTACAGCTGCTATTAACCTAGCAAAGCTGAACTTTTCAGACATT  
 ATTACGCTTGTATTGTGTGTTACATATACTTCACTAGGATCATTGCATTTCTCCTCAAAC



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TCGCTGTTCCATTCCAGTGGAAGTGGCTCTACCAGCTCCTGGATGAAACGGCCACACTGG  
TCTTCTTTGTTCTAACGGGGTATAAATTCGGTCCGGCTTCAGATAACCCCTACCTACAAC  
TTTCTCAGGAAGAAGAAGACTTGGAATGGAGTCCGTTGTGACAACATCTGGGGTATGG  
AAAGTATGAAGAAAGTCAAGAAGGTGACCAACGGCTCCGTGGAGCCCCAGGGCGAGTGGG  
AAGGCCCGTGTGACAGAGCCGACCCTGAGGATGGCACTGTCCAAGGAACTGTTAACTT  
ATTCATAGTCTATTGGACAGCAGGAGCAGCTCCTACAGTGAACCTATTGGCACCACCGAC  
AGTGACACCAGGGCACATGGCTGGAGCACAGTGCCGCGGAAACCTGATTTTGTACTCTCT  
TTTATGGAACGATCTGTGGCTGTTTAGAGGCAGCTGGATCCTCTTTAGGCGGGAAATGG  
GAGGGCGGGCACAGGGAGGAGGAGGAAGAGAAAAGGAAGAATTCATTTTTAATTTAGG  
TTTCTTTTTTTCTTCTTCAATTCGGAGCTCTAAGGTGTATGCAGTTGTGACCCCATGTGT  
GGGGAAGTGTAGCAAGGACGGCTGGTGGAGGGGAAGGAGGTGCGAGGTGTCTGTCTGA  
TGCTTTAGGAAATGTCTACTGAGGACCCTGGGACTTAAGAAGAAGGGCGGGGAGAGTGCC  
ATTGCCTGTTGGGAGACAAAAATGAACGAAAACAGGTGACTTTGGAAAGCAAAGTCAAA  
ACCCAGTTTAGGATGTAGCACCTGCCCCAGGATCCTGCCCTCGGCTTTGCCCCAGACCC  
TTATTCCAGATGCTGAGAGTGACCAGGACAGCAGCTCCTGAGGCCAGTGGTCTTCTTTTC  
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AAGTTCAAAAAGCATTATCCTGTGGCGTTGCCTGGACATCCACTCCCTGCAGGCCAGAG  
CAGCACTGTCTGGCTTCCCTTCACTGTGGCTTTGTTGTGTTGATCAGAATTTTGGG  
GGAAATGGAAAGTTTTCTCAAGGAGCAGCTGGGGCAGAATAGGTAGTATTTAAGCAAA  
TACTTAAGTCCAAGCAAATCATCCCCATTAAGGCTTTTCTGTAGGCTAGTAGGATTT  
CTAAATAGATGAATTCACAGACTTGGTCCCCATAGTCCAAGAGTATGTATGTGAAGAAA  
GTGAGCATGATTCACAGTTTCACTCTCAGGGATTTTAGGATGGCAAAATACTTCACAGA  
AACTCAATGATTAAGTTCCTTCCACACTTCCAGAGCTTGAATGAACACAGGTAGCCACC  
TAAATTGAGCAGTATTGCAACTCAGAGAGAAAATCATCTGAATAGTAGGACAAGCTCAGA  
AGGTACATTGTGACTGAGGGCTAAAAGGAGACCAAAACATGGCCCCATCAGGGAAGCTT  
CTTAATGCTTGGGGGGCCAGCTAGGTAGGGTGTCTTCCAAAAGCTGGAGCCACCCTGC  
CTAGGGGTGTGACAGAGCCACACCTGCAGGGGAACAGGTACCTCCGAGGGTGTGAGTGC  
TGGTCTCTGGGAGTGTCTTCTCACCTCTGGCTTAGAAGGGTCAAGCAGAAACCACAGGA  
TGTGGGGTCACTCACTGTCCCAAGTTTGGGAACCTGAAAAAGTCTCCATTCAGAACAT  
GGTTGTTCTCCCTGTCCCATGCTATCTTATCTTCTAAATGACTAATGAGGAAGCGGGTG  
TTCTTTTTCTGCACTTTGATTCGCATCTGGGTCTGTAGGGTGTCTGAAGGTGTGATC  
TGCCCTCTGGCTGATGTGGAGGAAGAGCAAGCGCTTCCCAGGCCACAGCTGCTCACCTC  
TCGGCAGATATTTTAGGCAAGCATCCGTGTGTCTTCCCATCTTCCAGGAGAAAGGTAATG  
CACCCCTAAGTGTTCACCTCTGGACCTTTTTCAAGTTCACCTGGGACTGTGTGACAGAAGG  
GAGTTGGAGGGGAGGATGGGAATATTTTTAACACTTTGTTTTCTGTGCAGAAACATAATA  
CCAGTTTTTCGAGAAATGTGTCTCAATCTGTGACTACCAAAGCCCTCCTCAGTCTTCCC  
TCAGAGGGACACATTTGCTGTTTCTCCCGCAAGCAGATGTTGTGGATGAGGCGATAGACT  
CCTTGGCAAGAAGCAAGGTGTGATGAAACCTCCCTGCTCGGAAGGGTCTCCGTGGAGGT  
GTCCTCATTTACATGCTGGGTTTTGCAAGCGAGGAAGCCAGGCAGTGGAGGAAGTGTAG  
AGAGGCAGGCGTGTGTGGACAAGCGCTGGAGCCGACGCCCTCAGACTGGCACGGGAAC  
GCCAGCGTTGGGTGTTTCCAGATCCACGCGTATGTCTGGGCTCACTCACAGCATGGCCGAG  
TGTCTGCAGTGTGGTCTGACCCTTCCAGAGCAGCAGTGGACAGATGAGATAAGACTGT  
TTCAGAAACAAAGATGGCCACAGCCTTCCCTAACAAAGCAGGTATCTGGCCATGTCTGTAT  
TGTAAGTGGTAAAAGGCTTCAAGTCAAGTGTGATGATCAAGAAAAGTCAAAACCCAGCCC  
AAGATTGGGAAAGCAGGTGGTGGTCCAAGCTTTTAAAAAATTATTGAAGCTCTCCATCC  
TGTTCTGTGAGTGTCTTCTTTCTCTTCTCCTTACAGTCATAGCCGTGACCCACCGTTCATC  
TCTGCTTGTGCGTAAAGATGACCGATGGAGTCCAAGCCAAGTGGCTTACCAGGTGACA  
AGCCACCCCTCTGCAGCCTGAGTTTACAGTCCACTGGGTTCGTTGTGATGCGGTGTTTTG  
AATGGTTAAGCCCTTGCAGTATTTTCCAGATCGGGCAAAAAATATCGGATGCACATAGCAGA  
ACCATTGGTGGTATTTATAGCTTTGCTTTGTAATCCTCACTGTTTCTGCCTACGCAAAAT  
ATCCATGTTTCTCTGAGAAATCTGTTGTGGACTGAAAGCGCTGTGGCTGTGAAATTTA

ATAAAGTGTGTATGCTTTGCTAGAAAAAAAAAAAAAAAAAAAAAAAAA

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001136557
<b>Insert Size:</b>	4700 bp
<b>OTI Disclaimer:</b>	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.
	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>
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001136557.1.
<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>RefSeq:</b>	<a href="#">NM_001136557.1</a> , <a href="#">NP_001130029.1</a>
<b>RefSeq Size:</b>	7096 bp
<b>RefSeq ORF:</b>	1803 bp
<b>Locus ID:</b>	57720
<b>UniProt ID:</b>	<a href="#">Q5VW38</a>
<b>Cytogenetics:</b>	9q34.11
<b>Protein Families:</b>	Druggable Genome, Transmembrane

**Gene Summary:**

Has been proposed to act as a receptor for neuronostatin, a peptide derived from the somatostatin/SST precursor (PubMed:22933024). Involved in blood sugar regulation through the induction of glucagon in response to low glucose (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).