

Product datasheet for **SC326076**

GPR107 (NM_001136558) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPR107 (NM_001136558) 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_001136558 edited
 CTGGAACAAACATGGCCGCTCTGGCGCCGTCGGCTCCCCCGCTCCCGCGGTCTTAGGC
 TGGCCGCGGGCCTCCGGCTGCTCCCAATGCTGGGTTTGTCTGAGTTGCTGGCCGAGCCTG
 GCCTGGGCGCGTCCATCACCTGGCACTCAAGGATGATGTGAGGCATAAAGTTTCACTCTGA
 ACACCTTTGGCTTCTTCAAGGATGGGTACATGGTGGTGAATGTCAGTAGCCTCTCACTGA
 ATGAGCCTGAAGACAAGGATGTGACTATTGGATTTAGCCTAGACCGTACAAGAATGATG
 GCTTTTCTTCTTACCTGGATGAAGATGTGAATTACTGTATTTAAAGAAACAGTCTGTCT
 CTGTACCCTTTAATCCTAGACATCTCCAGAAGTGAGGTAAGAGTAAAGTCTCCACCAG
 AAGCTGGTACCCAGTTACCAAAGATCATCTTCAGCAGGGATGAGAAAGTCTTGGTCAGA
 GCCAGGAGCCTAATGTTAACCCTGCTTCAGCAGGCAACCAGACCAGAAGACACAAGATG
 GTGGAAAGTCTAAAAGAAGTACAGTGGATTCAAAGGCCATGGGAGAGAAATCCTTTTCTG
 TTCATAATAATGGTGGGCGAGTGCATTTTCAGTTTTTCTTAAACATCAGCACTGATGACC
 AAGAAGGCCTTTACAGTCTTTATTTTCATAAATGCCTTGAAAAGAATTGCCAAGTGACA
 AGTTTACATTCAGCCTTGATATTGAGATCACAGAGAAGAATCCTGACAGCTACCTCTCAG
 CAGGAGAAATTCCTCTCCCAAATTATACATCTCAATGGCCTTTTTCTTCTTTCTTTCTG
 GGACCATCTGGATTCATATCCTTCGAAAACGACGGAATGATGTATTTAAATCCACTGGC
 TGATGGCGGCCCTTCTTTCACCAAGTCTTTTCTTGGTGTCCATGCAATTGACTACC
 ACTACATCTCCTCCAGGGCTTCCCTATCGAAGGCTGGGCTGTTGTGACTACATAACTC
 ACCTTTTGAAGGGGCGCTACTTTCATCACCATTGCACACTGGCCTGGGCTGGGCTT
 TCATTAAGCACATCCTTTCTGATAAAGACAAAAAGATCTTCATGATTGTCAATCCACTCC
 AGGTCCTGGCAAATGTAGCCTACATCATATAGAGTCCACCGAGGAGGGCACGACTGAAT
 ATGGCTTGTGGAAGGACTCTCTATTTCTGGTCGACCTGTTGTGTTGTGGTGCCATCCTCT
 TCCAGTGGTGTGGTCAATCAGACATTTACAAGAAGCATCAGCAACAGATGGAAAAGGTG
 ACAGCATGGGACCTTTCAGCAGAGAGCGAATCTAAGAGCAGGAAGTCGCATAGCTGCTA
 TTAACCTAGCAAAGCTGAACTTTTCAGACATTATTACGCTTTGATTGTGTGTTACATAT
 ACTTCACTAGGATCATTGCATTTCTCCTCAAACCTCGCTGTTCCATTCCAGTGGAAAGTGGC
 TCTACCAGCTCCTGGATGAAACGGCCACTGGTCTTCTTTGTTCTAACGGGTATAAAT



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TCCGTCGGCTTCAGATAACCCCTACCTACAACCTTCTCAGGAAGAAGAAGACTTGGAAA
 TGGAGTCCGTTGTGACAACATCTGGGGTATGAAAGTATGAAGAAAGTCAAGAAGTGA
 CCAACGGCTCCGTGGAGCCCCAGGGCGAGTGGGAAGGCGCCGTGTGACAGAGCCGACCCT
 GAGGATGGCACTGTCCAAGGAACTGTTAACTTATTCATAGTCTATTGGACAGCAGGAG
 CAGCTCCTACAGTGAACATTGGCACCACCGACAGTGACACCAGGGCACATGGCTGGAGC
 ACAGTGCCCGGAAACCTGATTTTGTACTCTCTTTTATGAAACGATCTGTGGCTGTTTA
 GAGGCAGCTGGATCCTCTTTTCAGGCGGGAATGGGAGGGCGGGCACAGGGAGGAGGAGG
 AAGAGAAAAGGAAGAATTCATTTTTAATTTAGGTTTCTTTTTTTCTTCTTCAATTCGGAG
 CTCTAAGGTGTATGCAGTTGTGACCCCATGTGTGGGAAGTGTAGCAAGGACGGCTGGTG
 GAGGGGAAGGAGGGTGCAGAGTGTCTGTCTGATGCTTTAGGAAATGTCTACTGAGGACC
 CTGGGACTTAAGAAGAAGGGCGGGGAGAGTGCCATTGCCTGTTTGGGAGACAAAAATGAA
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 CAGGATTCCTGCCCTCGGCTTTGCCCCAGACCCTTATTCCAGATGCTGAGAGTGACCAGG
 ACAGCAGCTCCTGAGGCCAGTGGTCTTCTTTCCAACAGGAAAAGAAGGCTGTGATGTCG
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 TTGCCTGGACATCCACTCCCTGACAGCCAGAGCAGCACTGTCTGGCTTCCCTTCATGCT
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 TAAAAAGCTTTTCTGTAGGCTAGTAGGATTTCTAAATAGATGAATTCACAGACTTGG
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 CAGGATTTTAGGATGGCAAAATACTTACAGAACTCAATGATTAAGTTCCTTCCACA
 CTTCCAGAGCTTGAATGAACACAGGTAGCCACCTAAATGAGCAGTATTGCAACTCAGAG
 AGAAAATCATCTGAATAGTAGGACAAGCTCAGAAGGTACATTGTGACTGAGGGCTTAAAA
 GGAGACCAAAAACATGGCCCCATCAGGGAAGCTTCTAATGCTTGGGGGCGCAGCTAGGTA
 GGGTTGCTTCCAAAAGCTGGAGCCACCCCTGCCTAGGGGTTGTGAGAGGCCACACCTG
 CAGGGGAACAGGTACCTCCGAGGGTGTGAGTCTGTGGTCTCTGGGAGTTGTTTTCTCACCT
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 TTGGGAACCTGAAAAAGTCTCCATTGAGAACATGGTTGTTCTCCCTGTCCCATGTATCT
 TATCTTCTAAATGACTAATGAGGAAGCGGGTGTCTTTTTCTGCACTTTGATTCGCCAT
 CTGGGTTCTGTAGGGTGTCTGAAGGTGTGATCTGCCTTCTGGCTGATGTGGAGGAAGAG
 CAAGCGCCTTCCAGGCCACAGCTGCTCACCTCTCGGCAGATATTTAGGCAAGCATCCG
 TGTGTCTTCCCATCTTCAAGGAGAAAGGTAATGCACCCTAAGTGTCACTTCTGGACCTT
 TTTCAAGTTCACTTGGGACTGTGTGACAGAAGGGAGTTGGAGGGAGGATGGGAATATTTT
 TAACACTTTGTTTTCTGTGCAGAAACATAATACCAGTTTTCGCAGAAATGTGTCTCAAT
 CTGTGACTACCAAAGCCCTCCTCAGTCTTCCCTCAGAGGGACACATTTGCTGTTTCTCC
 CGCAAGCAGATGTTGTGGATGAGGCGATAGACTCCTTGGCAAGAACGAAAGGTGTGATGA
 AACCTCCCTGCTCGGAAGGGTCTCCGTGGAGGTGCTCCTATTTACATGCTGGGTTTTGC
 AAGCGAGGAAGCCAGGCAGTGGAGGAACTAGAGAGAGGCAGGCGTGTGTGGACAAGCG
 CTGGAGCCGACGCCCTCAGACTGGCACGGGAACGCCAGCGTTGGGTGTTTCAAGATCCACG
 CGTATGTCTGGGCTCACTCACAGCATGGCCGAGTGTCTGCAAGTGTGGTCTGACCCCTC
 CAGAGCAGCAGTGGACAGATGAGATAAGACTGTTTCAAGAAACAAAGATGGCCACAGCCTT
 CCTAACAAAGCAGGTATCTGGCCATGTCTGTATTGTAAGTGGTAAAAGGCTTCAAGTCAG
 ATTGATGATCAAGAAAAGTCAAACCCAGCCCAAGATTGGGAAAGCAGGTGGTGGTTCC
 AAGCTTTTAAAAAATTATTGAAGCTCTCCATCCTGTTCTGTGAGTGTGCTTCTCTTTCT
 CCTTACGTCATAGCCGTGACCCACCGTTCATCTCTGCTTTCGCTAAAGATGACCGATG
 GAGTCAAAGCCAAGTGGCTTACCAGGTGACAAGCCACCCTCCTGCAGCCTGAGTTTCA
 CAGTCCACTGGGTTTCGTTGTCATGCGGTGTTTGAATGGTTAAGCCCTTGCAGATTTTCA
 ATCGGGCAAAAAATATCGGATGCACATAGCAGAACCATTTGGTGGTATTTATAGCTTTGCT
 TTGTACTCCTCACTGTTTCTGCCTACGCAAAATATCCATGTTTCTTTGAGAAATCTGTT
 GTGGACTGAAAGCGCTGCTGGCTGTGAAATTTAATAAAGTGTGTATGCTTTGCTAGAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_001136558
Insert Size:	4600 bp
OTI Disclaimer:	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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001036558.1.
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:	<ol style="list-style-type: none">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_001136558.1 , NP_001130030.1
RefSeq Size:	7009 bp
RefSeq ORF:	1716 bp
Locus ID:	57720
UniProt ID:	Q5VW38
Cytogenetics:	9q34.11
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.</p>