

Product datasheet for **SC335400**

GPR107 (NM_001287346) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR107 (NM_001287346) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR107
Synonyms:	bA138E2.2; GCDRP; LUSTR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335400 representing NM_001287346. Blue=Insert sequence Red=Cloning site Green=Tag(s)

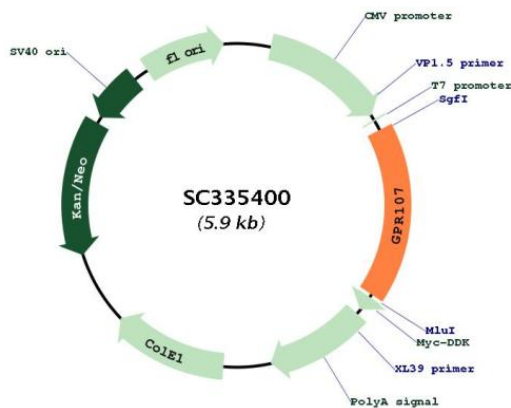
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGGAGAGAAATCCTTTTCTGTT CATAATAATGGTGGGGCAGTGT CATTTCAGTTTTTCTTAAACATC
AGCACTGATGACCAAGAAGGCCTTTACAGTCTTTATTTTCATAAATGCCTTGAAAGAATTGCCAAGT
GACAAGTTTACATT CAGCCTTGATATTGAGATCACAGAGAAGAATCCTGACAGCTACCTCTCAGCAGGA
GAAATTCCTCTCCCAAATTATACATCTCAATGGCCTTTTCTTCTTTCTTTCTGGGACCATCTGGATT
CATATCCTTCGAAAACGACGGAATGATGATTTAAAATCCACTGGCTGATGGCGGCCCTTCTTTTACC
AAGTCTCTTTCTTGGTGTTCATGCAATTGACTACCACTACATCTCCTCCAGGCTTCCCTATCGAA
GGCTGGGCTGTTGTGACTACATAACTCACCTTTTGAAAGGGGGCTACTTTCATCACCATTGCACTC
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GTGTGGTCAATCAGACATTTACAAGAAGCATCAGCAACAGATGGAAAAGCTGCTATTAACCTAGCAAAG
CTGAAACTTTT CAGACATTATTACGTCTTGATTGTGTGTACATATACTTCACTAGGATCATTGCATTT
CTCCTCAAACCTCGCTGTTCATTCCAGTGAAGTGGCTCTACCAGCTCCTGGATGAAACGGCCACACTG
GTCTTTTGTCTAACGGGGTATAAATCCGTCCGGCTTCAGATAACCCCTACCTACAACCTTTCTCAG
GAAGAAGAAGACTTGAAATGGAGTCCGTG TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001287346

Insert Size: 999 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).

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_001287346.1](#)

RefSeq Size: 3068 bp

RefSeq ORF: 999 bp

Locus ID: 57720

Cytogenetics: 9q34.11

Protein Families: Druggable Genome, Transmembrane

MW: 38.2 kDa

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 (4) contains multiple coding region differences and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 4, which is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.