

Product datasheet for **RN211746**

Gpr107 (NM_001107828) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr107 (NM_001107828) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpr107
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211746 representing NM_001107828
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGTCGCGGTACCCCTCGGCTGCACGGGCTCCTTCTGCCCGCGGCTGCTACCACTGCTGGCATTGT
TGGAGCTGCTCGTCGACCCAGCTTGGCCGCGTCCATCACCTGGCGCTCAAAGATGACGTGCGGCACAA
AGTCCATCTCAACACCTTCGGCTTCTTCAAGGACGGGTACATGGTGGTCAACATCAGCAGCCTCTCTGTG
AACGAGCCTGAGGGAGTCAAGGACAAAGACACTGAGATTGGCTTCAGTCTTGATCGGACCAAGAATGATG
GCTTTTCTTCTTACCTGGATGAAGATGTGAATTACTGTATTTAAAAAAAAGTCCATGTCTTCTGTAC
TCTGCTCATCTTAGACATCTCCGGAAGTGGAGTCAAGGTCAAGTCCACCAGAACTGGCAAGCAGTTA
CCCAGATTGTCTTCAGCAAGGATGAGAAAGTCCGAGTCCGAGCCAGGAGCCTGCTGTCAGCTCCAACC
CCAAAGACAGCAAGGTGCAGAGAACCCTGATGGTTCCAAGGCTCAACGAAGTACAGTGGATTCAAAGAC
TATAGCAGAGAAATCTTCTCAATTCATAAGAATGATGGGGCAGTTTCATTTAGTCTTCTTTAACATC
AGCACCAGTGACCAGGAAGGCCTTACAGCCTTACTTCCACAAGTGCCCAAGCAGCAAGCTGAGGTCTG
GTGAGCAGGTCTCATTACGCCTAAATATTGATATCACCGAGAAGAATCCTGACAGCTACCTGTCTGCAGG
GAAATCCCTCTCCCAAGTTATACGTTTCCATGGCCTTGTGTCTTCTGTCTGGGACCGTGTGGATT
CACATCCTTCGTAACGAAGGAATGATGTATTTAAAATCACTGGTTGATGGCGGCCCTTCTTTTACCA
AGTCTCTCTCCTTGGTGTTCATGCAATCGACTACCACTACATCTCCTCGCAGGGCTTCCGATTGAAGG
CTGGGCTGTTGTGTAACATAACTCACCTGCTGAAGGGTGCAGTCTGTTTCATCACCATCGCCCTCATT
GGCACTGGCTGGCCCTTCAAGCACATCCTGTCTGATAAGGACAAGAAGATCTTCATGATTGTCATT
CTTGTGGAAGGACTCTCTATTCTGGTGGATTTGCTGTGCTGCGGCGCCATCCTCTTCCAGTGGTGTGG
TCAATCAGGCATTTACAAGAAGCCTCGGCCACAGATGGAAAAGCTGCCATTAACCTAGCAAAGCTGAAGC
TTTTCAGACATTACTACGTCCTGATCGTGTGCTACATCTACTTACCAGGATCATCGCCTTCTTCTCAA
GTTGCTGTTCCCTTCCAGTGGAAAGTGGCTCTACCAGCTGCTGGATGAAACAGCCCACTGGTGTCTTT
GTCCTGACGGGTATAAATTTGCCCGAGCTTCAAGATAACCCCTACCTGCAGCTCTCTCAGGAAGAAGATG
ACCTGGAGATGGAGTCTGTAGTGACGACGTCAGGAGTAATGGAGAACATGAAGAAGTGAAGAAAGTGA
CAATGGTCTGTGGAGCCCCAGGCAGCTGGGAAGGCACCGCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1936_c07.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_001107828

Insert Size: 1656 bp

OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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_001107828.1 , NP_001101298.1
RefSeq Size:	3950 bp
RefSeq ORF:	1656 bp
Locus ID:	311857
UniProt ID:	D3ZWZ9
Cytogenetics:	3p12
Gene Summary:	Has been proposed to act as a receptor for neuronostatin, a peptide derived from the somatostatin/SST precursor (PubMed:22933024, PubMed:26561648). Involved in blood sugar regulation through the induction of glucagon in response to low glucose (PubMed:26561648). [UniProtKB/Swiss-Prot Function]