

## Product datasheet for **RG237506**

### GPR107 (NM\_001287346) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR107 (NM_001287346) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR107
Synonyms:	bA138E2.2; GCDRP; LUSTR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237506 representing NM_001287346. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAGAGAAATCCTTTCTGTTCAATAATGGTGGGGCAGTGCATTTCAGTTTTCTTTAACATC
AGCACTGATGACCAAGAAGGCCTTTACAGTCTTTATTTTCATAAATGCCTTGAAAAGAATTGCCAAGT
GACAAGTTTACATTCAGCCTTGATATTGAGATCACAGAGAAGAATCCTGACAGCTACCTCTCAGCAGGA
GAAATTCCTCTCCCAAATTATACATCTCAATGGCCTTTTCTTCTTTCTTTCTGGGACCATCTGGATT
CATATCCTTCGAAAACGACGGAATGATGATTTAAATCCACTGGCTGATGGCGGCCCTTCCCTTCCACC
AAGTCTCTTTCCTTGGTGTCCATGCAATTGACTACCACTACATCTCCTCCAGGCTTCCCTATCGAA
GGCTGGGCTGTTGTACTACATAACTCACCTTTTGAAAGGGGGCGCTACTTTCATCACCATTGCACTC
ATTGGCACTGGCTGGGCTTTCATTAAGCACATCCTTTCTGATAAAGACAAAAAGATCTTCATGATTGTC
ATTCCACTCCAGGCTCCTGGCAAATGTAGCCTACATCATCATAGAGTCCACCGAGGAGGGCAGCACTGAA
TATGGCTGTGGAAGGACTCTCTATTTCTGGTCGACCTGTTGTGTGTGGTGCCATCCTCTTCCAGTG
GTGTGGTCAATCAGACATTTACAAGAAGCATCAGCAACAGATGGAAAAGCTGCTATTAACCTAGCAAAG
CTGAAACTTTTCAGACATTATTACGTCTTGATTGTGTGTACATATACTCACTAGGATCATTGCATTT
CTCCTCAAACTCGCTGTTCCATTCCAGTGAAGTGGCTCTACCAGCTCCTGGATGAAACGGCCACACTG
GTCTTTTGTCTAACGGGGTATAAATCCGTCGGCTCAGATAACCCCTACCTACAACTTTCTCAG
GAAGAAGAAGACTTGAAATGGAGTCCGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237506  
 Blue=ORF Red=Cloning site Green=Tag(s)

MGEKSFSVHNNGGAVSFQFFFNISTDDQEGLYSLYFHKCLGKELPSDKFTFSLDIEITEKNPDSYLSAG  
 EIPLPKLYISMAFFFFLSGTIWIHILRKRNDVFKIHWLMAALPFTKSLVVFHAIIDYHYISSQGFP  
 IE GWAVVYIHTLLKCALLFITIALIGTGWAFIKHILSDKDKKIFMIVIPLQVLANVAYIIIESTE  
 EGTTE YGLWKDSLFLVDLLCCGAILFPVWVSIRHLQEASATDGKAAINLAKLKLFRHYVYLIVCYIYFTRIAF  
 LLKLAVPFQWKWLYQLLDETATLVFFVLTYGKFRPASDNPYLQLSQEEEDLEMESV  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001287346

**ORF Size:** 996 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

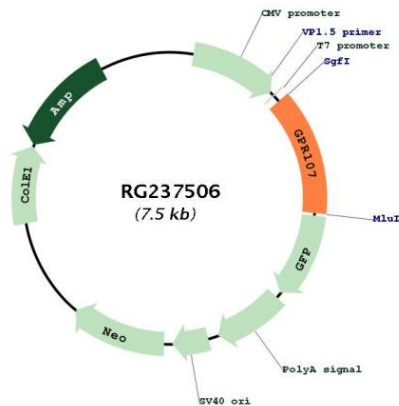
**RefSeq:** [NM\\_001287346.1](#), [NP\\_001274275.1](#)

**RefSeq Size:** 3068 bp

**RefSeq ORF:** 999 bp

**Locus ID:** 57720  
**Cytogenetics:** 9q34.11  
**Protein Families:** Druggable Genome, Transmembrane  
**MW:** 38.7 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]

**Product images:**



Circular map for RG237506