

Product datasheet for **MC218903**

Gpr107 (NM_178760) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr107 (NM_178760) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpr107
Synonyms:	9930033D15Rik; AI790205; C530034M11; mKIAA1624
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218903 representing NM_178760
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGTCCCGGTACCCCTCGGCCGCTTCGGCTCCTTCTGCCTGCGGCTGCTACGACTGCTGGCGTTGC
 TGGAGCTGCTGGTCCACCCCGTCTTGGCCGCGTCCATCACCTGGCGCTCAAAGATGATGTGCGGCATAA
 AGTCCATCTCAACACCTTCGGGTTCTTCAAGGATGGGTACATGGTGGTCAACGTCAGCAGCCTCTCTGTG
 AACGAGCCTGAGGGAGCCACGGACAAGGATGCTGAGATCGGATTCAGTCTGGATCGGACTAAGAACGATG
 GCTTTTCTTCTTACCTGGATGAAGATGTGAATTACTGTATTTAAAAAAGAAGTCCATGTCTTCTGTAC
 TCTTGTCACTTAGACATCTCTGGAAGCATAGTCAAGGTCAGATCCCCACCAGAAGCTGGTAAGCAGTTA
 CCAGAGATTGTCTTCAGCAAGGATGAGAAAATCCTGAGTCAGAGCCAGGAGCCTGCTGTCAGCTCCAACC
 CCAAAGACAGTGAGGCTCGGAGAACCCTCGATGGTTTCAAGGCTGGACGAAGTACAGTGGACTCAAAGGC
 TATCACAGAGCGATCCTTCTCAATTCACAAGAATGACGGGGTGGTCTCATTTCAGTCTTCTTTAACATC
 AGCACCGATGACCAGGAAGGCCTTACAGCCTTTACTTCCACAAGTGCTCAGGCAACAACGTGAAGCCTG
 GTGAACAGGCCTCATTACGCCTGAATTTGCTATCACAGAGAAGAACCTAACAGCTACCTCTGCCGG
 GGAAATCCCTCTCCCAAGTTATATGTTTCCATGGCCTTGTCTTCTTCTGTCTGGGACCATTTGGATT
 CACATCCTTCGTAAGAGAAGGAATGATGTATTTAAATTCAGTGGTTGATGGCCGCCCTTCCCTTCCACCA
 AGTCTCTCTCGTTGGTGTTCATGCAATCGACTACCACTACATCTCCTCGAGGGCTTCCGATTGAAGG
 CTGGGCTGTTGTATACTACATAACTCACCTGCTAAAGGGCGCACTCCTGTTTCATCACCATCGCCCTC
 GGCATCCGCTGGCCCTTTCATCAAGCACATCCTGTCTGATAAAGACAAGAAGATCTTCATGATTGTCATCC
 CGCTCCAGGCTGGCGAATGTGGCCTACATCATAGAGTCCACTGAGGAGGGCACAAGTGTGATGG
 CCTATGGAAGGACTCTCTGTTCCCTGGTTGACTTGCTTTGCTGTGGCGCCATCCTCTTCCAGTGGTGTGG
 TCAATCAGGCATTTACAAGAAGCCTCCGCCACAGATGGAAAAGCTGCCATTAACCTAGCGAAGCTGAGGC
 TTTTCAGACATTACTACGCTTGTATTGTGTGCTACATCTACTTTACCAGGATCATCGCCTTCTTCTCAA
 GTTTGCTGTTCCATTCCAGTGGAAAGTGGCTCTACCAGCTGCTGGATGAAACAGCCACGCTGGTGTCTTT
 GTCCTGACGGGTATAAATTTGCCCGAGCTTCAAGATAACCCCTACCTGCAGCTCTCTCAGGAAGATGATG
 ACCTGGAGATGGAGTCCGTAGTGACGACATCGGGTGTGATGGAGAATATGAAGAAGTGAAGAAAGTGA
 CAACGGTCTGTGGAGCCCCAGGCAGCTGGGAAGGCACCGCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_178760

Insert Size: 1656 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_178760.4](#), [NP_848875.2](#)

RefSeq Size: 3926 bp

RefSeq ORF: 1656 bp

Locus ID: 277463

UniProt ID: [Q8BUV8](#)

Cytogenetics: 2 B

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