

Product datasheet for **MC208553**

Gpr83 (NM_010287) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr83 (NM_010287) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpr83
Synonyms:	AW045253; Gir; Gpr72; RP39; RP82; RP105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC208553 representing NM_010287
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGGTTCTCTGTCTGCTTCTTTCTTCTGTCTCAGTGCAGCTACTGAGCAACCGCAGGTCTG
 TCACTGAGCATCCCAGCATGGAGGCAGCCCTGACCGGGCCCAACGCCTCCTCGCACTTCTGGCCAACTA
 CACTTTCTCTGACTGGCAGAACTTCGTGGGCAGGAGACGTTATGGGGCCGAGTCCCAGAACCCACGGTG
 AAAGCACTGCTCATCGTGGCCTACTCATTACCATCGTCTTCTCGCTTTCGGTAATGTCCTGGTCTGTC
 ATGTCACTTTCAAGAACCAGCGCATGCACTCGGCCACCAGCCCTTTCATTGTCAACCTGGCAGTGGCGGA
 CATCATGATCACATTGCTCAACACGCCCTTCACTTTGGTCCGCTTTGTGAACAGCACATGGGTGTTGGG
 AAGGGCATGTGCATGTCAGTCTGCTTGTCTCAGTACTGTTCTCTACATGTCTCAGCACTGACTCTGACAG
 CTATCGCAGTGGACCGCCACCAGGTCATCATGCATCCACTGAAGCCTCGGATCTCCATCACCAAGGGTGT
 CATATATATTGCTGTCATCTGGGTCATGGCTACCTTCTTCTCTCTGCCACATGCCATCTGCCAGAACTG
 TTTACCTTCAAGTACAGTGAAGACATTGTGCGCTCCCTCTGCCTGCCGGACTTCCCAGGAGCCAGCTGACC
 TCTTCTGGAAGTATCTGGACCTGGCCACCTTCATCCTGCTCTACCTACTTCCACTTTCATTATCTCAGT
 GGCTATGCTCGTGTGGCCAAGAAGCTGTGGCTCTGTAACACCATTGGCGACGTGACCACAGAGCAGTAC
 CTCGCCCTGCGACGCAAGAAGAAGACCACCGTGAAGATGCTGGTCTTGTGGTAGTCTCTTTGCCCTCT
 GCTGGTCCCTCTCAACTGCTATGTCCTCCTCTTGTCCAGCAAGGCCATCCACACCAACAATGCCCTCTA
 CTTTGCCTTCCACTGGTTTGCCATGAGCAGTACTTGTATAACCCCTTCTACTGCTGGCTCAATGAG
 AACTTTAGGGTTGAGCTTAAGGCATTGCTGAGCATGTGCCAAAGGCCACCAAGCCGAGGAAGACAGGC
 TACCCTCCCAGTTCCTTCCCTTCAGGGTGGCATGGACAGAGAAGGCCATGGTCGGAGGGCTCCACTACC
 TAATCACCATTGCCCTTCCCAGATCCAGTCTGGGAAGACAGATCTGTCTGTGGAACCCGTTGTG
 GCCATGAGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1777_a05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_010287

Insert Size: 1272 bp

OTI Disclaimer: 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.

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](#)

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:	<u>NM_010287.2</u> , <u>NP_034417.1</u>
RefSeq Size:	2252 bp
RefSeq ORF:	1272 bp
Locus ID:	14608
UniProt ID:	<u>P30731</u>
Cytogenetics:	9 4.4 cM
Gene Summary:	Orphan receptor. Could be a neuropeptide Y receptor.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).