

## Product datasheet for **MR220625**

### Gpr83 (NM\_010287) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr83 (NM_010287) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide Sequence:**

>MR220625 representing NM\_010287  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGGTTCTCTGTCTCTCTTTCTTTCTGTCTCAGTGCAGCTACTGAGCAACCGCAGGTCTG  
 TCACTGAGCATCCCAGCATGGAGGCAGCCCTGACCGGCCCAACGCCTCCTCGCACTTCTGGCCAACTA  
 CACTTTCTCTGACTGGCAGAACTTCGTGGGCAGGAGACGTTATGGGGCCGAGTCCCAGAACCCACGGTG  
 AAAGCACTGCTCATCGTGGCCTACTCATTACCATCGTCTTCTCGCTCTTCGGTAATGTCCTGGTCTGTC  
 ATGTCATCTTCAAGAACCAGCGCATGCACTCGGCCACCAGCCTTTCATTGTCAACCTGGCAGTGGCGGA  
 CATCATGATCACATTGCTCAACACGCCCTTCACTTTGGTCCGCTTTGTGAACAGCACATGGGTGTTGGG  
 AAGGGCATGTGCATGTCAGTCTGCTTGTCTCAGTACTGTTCTCTACATGTCTCAGCACTGACTCTGACAG  
 CTATCGCAGTGGACCGCCACCAGGTCATCATGCATCCACTGAAGCCTCGGATCTCCATCACCAAGGGTGT  
 CATATATATTGCTGTCATCTGGGTCATGGCTACCTTCTTCTCTGCCACATGCCATCTGCCAGAACTG  
 TTTACCTTCAAGTACAGTGAAGACATTGTGCGCTCCCTCTGCCTGCCGGACTTCCCGAGGCCAGCTGACC  
 TCTTCTGGAAGTATCTGGACCTGGCCACCTTCATCCTGCTCTACCTACTTCCACTCTTCATTATCTCAGT  
 GGCTATGCTCGTGTGGCCAAGAAGCTGTGGCTCTGTAACACCATTGGCGACGTGACCACAGAGCAGTAC  
 CTCGCCCTGCGACGCAAGAAGAAGACCACCGTGAAGATGCTGGTCTGTGGTAGTCTCTTTGCCCTCT  
 GCTGGTCCCTCTCAACTGCTATGTCCTCTCTGTCCAGCAAGGCCATCCACACCAACAATGCCCTCTA  
 CTTTGCCTTCCACTGGTTTGCCATGAGCAGTACTGTTATAACCCCTTCACTACTGCTGGCTCAATGAG  
 AACTTTAGGGTTGAGCTTAAGGCATTGCTGAGCATGTGCCAAAGGCCACCAAGCCGAGGAAGACAGGC  
 TACCCTCCCAGTTCCTTCCCTTCCAGGTGGCATGGACAGAGAAGGCCATGGTCCGAGGGCTCCACTACC  
 TAATCACCACTTGCCTCTTCCAGATCCAGTCTGGGAAGACAGATCTGTCTGTGGAACCCGTTGTG  
 GCCATGAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR220625 representing NM\_010287  
 Red=Cloning site Green=Tags(s)

MKVPPVLLLFLSSVRATEQPQVVTEHPSMEAALTGPNASSHFWANYTFSDWQNFVGRRRYGAESQNPTV  
 KALLIVAYSFTIVFSLFGNVLVCHVIFKNQRMHSATSLFIVNLAVADIMITLLNTPFTLVRVFNSTWVFG  
 KGMCHVSRFAQYCSLHVSALTLTAIAVDRHQVIMHPLKPRISITKGVIIYIAVIWVMAFFSLPHAIQKL  
 FTFKYSIEDIVRSLCLPDFPEPADLFWKYLDLAFILLYLLPLFIISVAYARVAKKLWLCNTIGDVTTEQY  
 LALRRKKKTTVKMLVLVVVLFALCWPLNCYVLLLSKAIHTNNALYFAHWFAMSSTCYNPFIYCWLNE  
 NFRVELKALLSMCQRPPKQEDRLPSPVPSFRVAWTEKSHGRRAPLPNHHLPSQQIQSGKTDLSSVEPVV  
 AMS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9018\\_b03.zip](https://cdn.origene.com/chromatograms/mm9018_b03.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**



**ACCN:** NM\_010287

**ORF Size:** 1269 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](mailto: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](#)

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

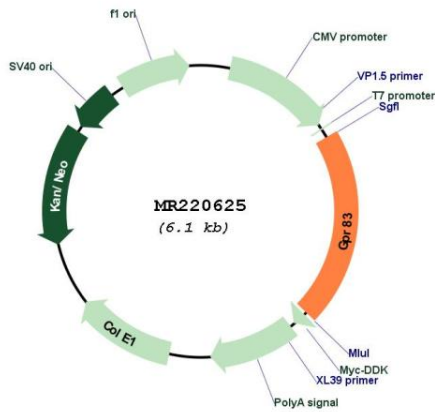
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_010287.3](#)

RefSeq Size: 2252 bp  
 RefSeq ORF: 1272 bp  
 Locus ID: 14608  
 UniProt ID: [P30731](#)  
 Cytogenetics: 9 4.4 cM  
 MW: 48.6 kDa  
 Gene Summary: Orphan receptor. Could be a neuropeptide Y receptor.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR220625