

## Product datasheet for MR205993

### Gpr88 (NM\_022427) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpr88 (NM\_022427) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gpr88  
**Synonyms:** AW061286; Strg  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR205993 representing NM\_022427  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACCAACTCCTCCTCCACTTCGACCTCCACCACTACCGGGGATCGTGCTGCTGCTCTGCGAGGAAG  
 AAGAATCGTGGGCGGGCCGGGATCCCGGTGTCTCTCTGTACTCGGGCTGGCCATCGGGGACAGCT  
 GGCCAACGGTATGGTCATCTATCTCGTGTCTCTCCGAAAGCTGCAGACCACCAGCAACGCCTTCATC  
 GTGAATGGCTGCGCCGGATCTCAGCGTCTGCGCCCTTGATGCCACAGGAGGCGGTGCTGGGGTCC  
 TGCCCTCGGGCTCCGCGAGCCCCGGGGACTGGGACGGTGGCGGAGGAGCTACCGCTGCTCCGGG  
 CGGGTTGTTGGGCTCGGGCTCACTGTGTCCCTTCTGTCCATTGCTCGTGGCGTGAACCGCTACCTG  
 CTCATCACCAGGGCGCTGCCACCTACCAGGTGCTCTACCAACGGCGCCACACGGTGGGCATGCTGGCAC  
 TGTCTGGGCGCTCGCCTTGGGTCTGGTGTGCTGCTCCCGCCCTGGGCTCCTAAGCCCGGAGCCGAGCC  
 ACCGCAAGTCCACTACCCCGCGCTCCTGGCGGGGAGCGCTGCTTGCGCAGACGGCGCTGCTGTTGCAC  
 TGCTACCTGGGCATCGTGC CGCGTGCAGCTCAAGCGGGTCAAGCGTCAACTTCCACTGC  
 TGCACCAGCTACCCGGCTGCGCCGCCCGCCCGCCCTTCCCGCCGCCCGCACGCGCCGGTCCGGG  
 AGGCGCCGCGCATCCCGCGCAGCCTCAACCCCTGCCGGCGCTCTGCAGCTCGCCGGGCGCAGCGGCT  
 CTCAGCGGTTGTGGTGTGCTGCTGCTGCTCTTCTGCTGGCCACGACGCGCTGGTGTGGGTGA  
 GCCTGGCCAGTGGCTTCTCCCTCCCGTGCCTGGGGCGTGCAGCGGCCAGCTGGCTCCTGTGCTGCGC  
 CCTGTGCGCGCTCAACCCGCTGCTCTACAGTGGAGAACGAGGAGTTCGCAGATCCGTGCGATGTGTC  
 CTGCCGGGCGTGGGGACGCGGCTGCGGCCCGCGGCCACCAGCGGTGCCAGCCATGTCCAGGCGC  
 AACTGGGTACCCGGGCGGCTGGCCAGCACTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_022427

ORF Size: 1152 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\\_022427.2](#), [NP\\_071872.1](#)

**RefSeq Size:** 3450 bp

**RefSeq ORF:** 1155 bp

**Locus ID:** 64378

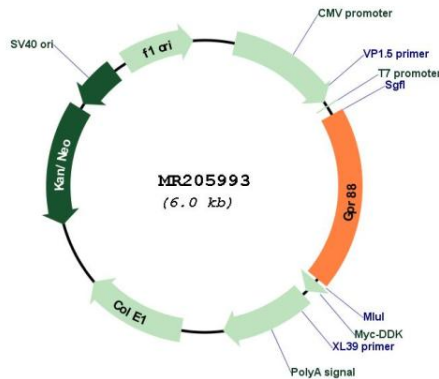
**UniProt ID:** [Q9EPB7](#)

**Cytogenetics:** 3 G1

**MW:** 40.7 kDa

**Gene Summary:** Probable G-protein coupled receptor implicated in a large repertoire of behavioral responses that engage motor activities, spatial learning, and emotional processing. May play a role in the regulation of cognitive and motor function.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR205993