

## Product datasheet for MR220234

### Gpr6 (NM\_199058) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Gpr6 (NM\_199058) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Gpr6  
 Synonyms: A1852874; Gm233  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR220234 representing NM\_199058  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACGCTAGCGCCCGCGCTCAACGAGTCCCAAGTGGTGGCAGTAGCGGCCGAGGGAGCGGCAGCTG  
 CGGCTACAGCAGAGGGGACCGGACACCGCGAATGGGACCCAGCAGCATCCGAGCGCTGGGAGG  
 CGGCGCGGACCTAACGGGTCAGTGGAGCTGTCTTCTCAGCTGCCAGCAGGGCCCTCGGACTACTGCTT  
 TCGGCAGTGAATCCCTGGGATGTGCTGCTGTGCGTGTGCGGAAGTGTGATCGCAGGCGAAAATGCGCTGG  
 TGGTGGCGCTCATCGCGTCCACTCCCGCTGCGCACGCCATGTTTGTGCTCGTGGGTAGTCTGGCCAC  
 TGCTGACCTGTTGGCGGGCTGTGGCCTCATCTTACACTTCGTGTTCCAGTACGTGGTGCCTCGGAGACT  
 GTGAGCCTGCTCATGGTGGGCTTCTGGTGGCGTCTTTGCCGCCTCAGTCAGCAGCCTGCTTGCTATCA  
 CAGTGGACCGTTACCTGTCTTTGTACAACGCGCTCACCTACTACTCGCGCCGGACCCTGTTGGGCGTGCA  
 CCTTTGCTAGCAGCCACCTGGACAGTGTCCCTCGGGTTGGGTTGTGCTGCTGTTCTAGGCTGGAAGTGC  
 TTGGCCGACCGCACGTCCTGCAGCGTGGTGCGCCCCCTGACACGCAGCCATGTGGCGTTGCTCTACTT  
 CCTTCTCGTGGTCTTTGGCATCATGCTGCACTTGTACGTGCGCATCTGCCAGGTGGTCTGGCGCCACGC  
 CCACCAGATCGCTTTGCAACAGCATTGCCTAGCACCGCCCACTTAGCAGCCACCAGAAAGGGAGTGGGA  
 ACTTTGGCCGTGGTGTAGGCACTTTTGGGCGCAGCTGGCTGCCCTTCGCCATCTATTGTGTGGTGGGTA  
 GCCAAGAGGACCGGCCATCTACACTTATGCCACCCTGTTGCCTGCCACCTATAACTCCATGATCAATCC  
 CATCATCTATGCCTTCCGCAACCAGGAGATCCAGCGTGCCTTGTGGCTCCTGTTCTGTGGCTGTTTCCAA  
 TCCAAAGTGCCCTTCGCTCCAGGTCCCCAGTGAGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR220234 representing NM\_199058  
Red=Cloning site Green=Tags(s)

MNASAAALNESQVVAVAAEGAAAAATAAGAPDTGEWGPPAASAALGGGGPNGSLELSSQLPAGPSGLLL  
 SAVNPWDVLLCVSGTVIAGENALVVALIASTPALRTPMFVLVGLATADLLAGCGLILHFVFQYVVPSET  
 VSLLMVGFLVASFAASVSSLLAITVDRLSLYNALTYYSRRTLGLVHLLLAATWTVSLGLLPLVLGWNC  
 LADRTSCSVVRPLTRSHVALLSTSFVVFGIMLHLYVRIQVVRHHAHQIALQHQCLAPPHLAATRKGVG  
 TLAVVLGTFGASWLPFAIYCVVGSQEDPAIYTYATLLPATYNSMINPIIYAFRNQEIQRALWLLFCGCFQ  
 SKVPFRSRSPSEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1972\\_c02.zip](https://cdn.origene.com/chromatograms/ja1972_c02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_199058

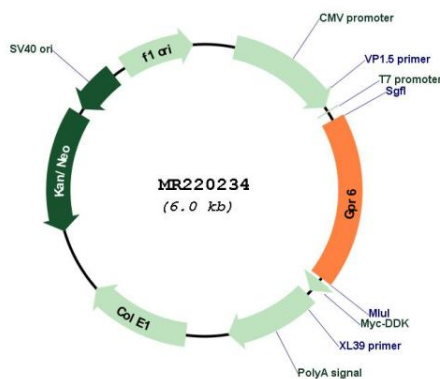
**ORF Size:** 1089 bp

**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\\_199058.1](#), [NP\\_951013.1](#)
- RefSeq Size:** 1092 bp
- RefSeq ORF:** 1092 bp
- Locus ID:** 140741
- UniProt ID:** [Q6YNI2](#)
- Cytogenetics:** 10 22.08 cM
- MW:** 38.5 kDa
- Gene Summary:** Orphan receptor with constitutive G(s) signaling activity that activate cyclic AMP. Promotes neurite outgrowth and blocks myelin inhibition in neurons (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR220234