

## Product datasheet for MR218196

### Gpr19 (NM\_008157) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr19 (NM_008157) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218196 representing NM_008157 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATAACGACCAGCCGCCTGTGGTACTGCCACCTGCTGGTGCCCTTCAGAACAGCAGCTGCGCGG  
AAGCAGCTGAGGCCCTGCTGCCCATGGCTGATGGGATTGCATGAGGAGCACAGCTGGATGAGCAACAG  
GACAGAGCTTCAGTACGAGCTGAACCTGGAGAGGTGGCCACCGCCAGCATCTTCTTTGGCGCTTTGTGG  
TTGTTCTCCATCTTTGGCAATCCCTGGTATGTCTGGTCATCCACCGAGCCGGAGGACTCAGTCCACCA  
CCAACTACTTCGTGGTGTCCATGGCGTGTGCTGACCTTCTCATCAGCGTGGCCAGCAGCCGTTTGTGCGT  
GCTGCAGTTCACCACCGGAGGTGGACCTGGGTAGCGCCATGTGCAAGGTGGTCCGCTACTTCCAGTAC  
CTCACCCCGGCGTGCAGATCTACGTGCTGCTCTCCATCTGCATCGACCGCTTCTATACCATCGTCTACC  
CGCTGAGCTTCAAGGTGTCCCGAGAGAAGGCCAAGAAAATGATTGCAGCCTCCTGGATCTTGACGCGGC  
CTTCGTGACGCCTGTCTTCTTTTCTACGGCTCTAACTGGGATAGTCACTGTAACACTTCTCCTCCCTCCC  
TCCTGGGAGGAACTGCCTATACCGTCATCCACTTCTTGGTGGGCTTCGTGATCCCTCCATCCTCATAA  
TCCTGTTTTACCAGAAGTGCATAAAGTATATCTGGAGAATAGGCACGGACGGCGGACGCTGAGAAGGAC  
GATGAACATTGTCCCAGGACAAAGGTGAAAACGGTCAAGATGTTCTGCTCTTGAACCTAGTGTTCCTG  
TTCTCCTGGCTACCTTTCATGTGGCTCAGCTCTGGCATCCCCATGAGCAAGACTACAAGAAGAGCTCCC  
TTGCTTTCACGGCAGTCAGTGGGTATCTTTCAGCTCTTCAGCCTCGAAACCCACTCTGTACTCTATTTA  
TAATGCCAATTTTCGGAGAGGGATGAAAGAGACATTCTGCATGTCTCGATGAAATGCTACCGCAGCAAT  
GCCTACACCATCAGACCAGCTCACGGATGGCCAAAAGAACTATGTGGGCATTTTCGAAAATCCCTCCC  
TGAGCAGGACCATAACCAAAGACTCCATCTATGACTCATTTGACCGGAGGCCAGGGAGAAGAAGCTCGC  
CTGGCCATCAACTCAAACCTCCAAACACTTTTGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR218196 representing NM\_008157  
Red=Cloning site Green=Tags(s)

MDNDQPPVVTATLLVPLQNSSCAEAAEALLPHGLMGLHEEHSWMSNRTELQYELNPGEVATASIFFGALW  
 LFSIFGNLSLVCLVIHRSRRTQSTTNYFVSMACADLLISVASTPFVVLQFTTGRWTLGSAMCKVVRVYFQY  
 LTPGVQIYVLLSICIDRFYTIIVYPLSFKVSREKAKKMAAASWILDAAFVTPVFFFYGSNWDSHCNVFLPP  
 SWEGTAYTVIHFLVGFVIPSILIIILFYQKVIKIYIWRIGTDGRTLRRRTMNIVPRTKVTKVMFLLNLVFL  
 FSWLPFHVAQLWHPHEQDYKSSLVFTAVTWVSFSSSASKPTLYSIYNANFRGMKETFCMSSMKCYRSN  
 AYITITSSRMAKRNIVGISEIPPVSRITITKDSIYDSFDREAREKKLAWPINSNPPNTFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9028\\_h07.zip](https://cdn.origene.com/chromatograms/mm9028_h07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_008157

**ORF Size:** 1227 bp

**OTI Disclaimer:** 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\\_008157.3](#), [NP\\_032183.2](#)

**RefSeq Size:** 1584 bp

**RefSeq ORF:** 1230 bp

**Locus ID:** 14760

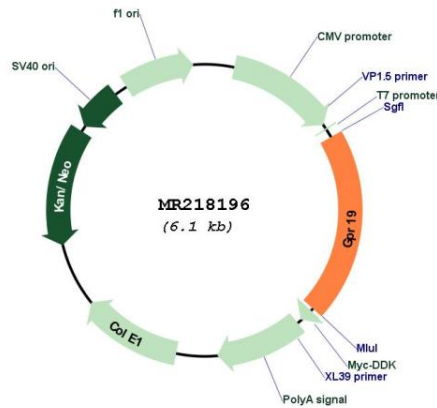
**UniProt ID:** [Q61121](#)

**Cytogenetics:** 6 G1

**MW:** 47.2 kDa

**Gene Summary:** Orphan receptor.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR218196