

## Product datasheet for MR216761

### Gpr19 (NM\_001167697) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr19 (NM_001167697) 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:	>MR216761 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTTTGCTCACAGAATGGATAACGACCAGCCGCCTGTGGTGACTGCCACCCTGCTGGTGCCCTTC  
AGAACAGCAGCTGCGCGGAAGCAGCTGAGGCCCTGCTGCCCATGGCCTGATGGGATTGCATGAGGAGCA  
CAGCTGGATGAGCAACAGGACAGAGCTTCAGTACGAGCTGAACCTGGAGAGGTGCCACCGCCAGCATC  
TTCTTTGGCGCTTTGTGGTTGTTCTCCATCTTTGGCAATCCCTGGTATGTCTGGTCATCCACCGGAGCC  
GGAGGACTCAGTCCACCACCACTACTTCGTGGTGTCCATGGCGTGTGCTGACCTTCTCATCAGCTGGC  
CAGCACGCCGTTTGTGCTGCTGCACTTACCACCGGGAGGTGGACCCTGGGTAGCGCCATGTGCAAGGTG  
GTCCGCTACTTCCAGTACCTCACCCCGCGGTGCAGATCTACGTGCTGCTCTCCATCTGCATCGACCGCT  
TCTATACCATCGTCTACCCGCTGAGCTTCAAGGTGTCCCGAGAGAAGGCCAAGAAAATGATTGCAGCCTC  
CTGGATCTGGACGCGGCCTTCGTGACGCTGTCTTTCTTCTACGGCTCTAACTGGGATAGTCACTGT  
AACTACTTCTCCCTCCCTCCTGGGAGGGAAGTGCCTATACCGTCATCCACTTCTTGGTGGGCTTCGTGA  
TTCCCTCCATCCTCATAATCCTGTTTTACCAGAAGGTCAAAAGTATATCTGGAGAATAGGCACGGACGG  
GCGGACGCTGAGAAGGACGATGAACATTGTCCCAGGACAAAGGTGAAAACGGTCAAGATGTTCTGCTC  
TTGAACCTAGTGTCTCTGCTGCTGCTACCTTTCCATGTGGCTCAGCTCTGGCATCCCATGAGCAAG  
GCTACAAGAAGAGCTCCCTGTCTTACGCGAGTCACGTGGGTATCTTTCAGCTCTCCAGCTCGAACC  
CACTCTGTACTCTATTTATAATGCCAATTTTCGGAGAGGGATGAAAGAGACATTCTGCATGTCTCGATG  
AAATGCTACCGCAGCAATGCCTACACCATCACGACCAGTTCACGGATGGCCAAAAGAAAATATGTGGGCA  
TTTCGAAATCCCTCCCGTGAGCAGGACCAATAACCAAAGACTCCATCTATGACTCAATTTGACCGGGAGGC  
CAGGGAGAAGAAGCTCGCTGGCCATCAACTCAAACCTCCAAACACTTTTGTC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR216761 protein sequence  
Red=Cloning site Green=Tags(s)

MVFAHRMDNDQPPVVTATLLVPLQNSSCAEAAEALLPHGLMGLHEEHWSMSNRTELQYELNPGEVATASI  
 FFGALWLFISIFGNLVLVIHRSRRTQSTTNYFVVSMACADLLISVASTPFVVLQFTTGRWTLGSAMCKV  
 VRYFQYLTPGVQIYVLLSICIDRFYTIYVPLSFKVVSREKAKKMAASWILDAAFVTPVFFYGSNWDSHC  
 NYFLPPSWEGETAYTVIHFLVGVFVIPSILIIILFYQKVIKIYIWRIGTDGRTLRRTMNIVPRTKVKTVMFLL  
 LNLVFLFSWLPFHVAQLWHPHEQGYKSSLVFTAVTWVSFSSPASKPTLYSIYNANFRRGMKETFCMSSM  
 KCYRSNAYITTTSSRMAKRNIVGISEIPPVSRITKDSIYDSFDREAREKKLAWPINSNPNTFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001167697

**ORF Size:** 1248 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\\_001167697.1](#), [NM\\_001167697.2](#), [NP\\_001161169.1](#)

**RefSeq Size:** 1741 bp

**RefSeq ORF:** 1248 bp

**Locus ID:** 14760

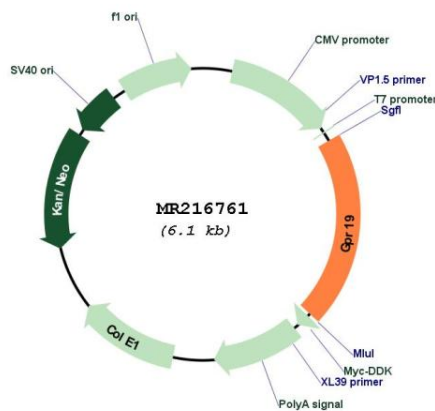
**UniProt ID:** [Q61121](#)

**Cytogenetics:** 6 G1

**MW:** 47.5 kDa

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

**Product images:**



Circular map for MR216761