

## Product datasheet for **MR224908**

### Gpr119 (NM\_181751) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Gpr119 (NM\_181751) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Gpr119  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >MR224908 representing NM\_181751  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTCATCCTTCTCATTTGGAGTGATCCTTGCTGTCCTAACCATCCTCATCATTGCTGTTAATGCAC  
TGGTAGTTGTGGCTATGCTGCTATCAATCTACAAGAATGATGGTGTGGCCTTTGCTTACCTTGAATCT  
GGCCGTGGCTGATACCTTGATTGGCGTGGCTATTTCTGGTCTAGTTACAGACCAGCTCTCCAGCTCTGCT  
CAGCATAACAGAAAGACCTTGTGTAGCCTTCGGATGGCATTGTCACTTCTTCTGCAGCTGCCTCTGTCC  
TCACCGTCATGCTGATTGCCTTTGACAGATACCTTGCCATTAAGCAGCCCCCTCCGTTACTTCCAGATCAT  
GAATGGGCTTGTGGCTGGAGCATGCATTGCAGGACTGTGGTTGGTATCTTACCTTATCGGCTTCCCTCCA  
CTCGGAGTCTCCATATTCCAGCAGACCCTACCATGGACCCTGCAGCTTCTTTGCTGTGTTTACCCCAA  
GGTTTGTGCTGACCCTCTCCTGTGCTGGCTTCTTCCAGCTGTGCTCCTTCTTTGCTTCTTCTACTGTGA  
CATGCTCAAGATTGCCTCTGTGCACAGCCAGCAGATCCGGAAGATGGAACATGCAGGAGCCATGGCCGGA  
GCTTATCGGCCCCACGGTCTGTCAATGACTTCAAGGCTGTTCTGACTATAGCTGTTCTTATTGGGAGCT  
TCACTCTGCTCCTGGTCTCCCTTCTCATAACTAGCATTGTGCAGGTGGCCTGCCACAAATGCTGCCTTAA  
CCAAGTGTGAAAAGTACCTGTGGCTCCTTGGAGTTGGCAACTCCCTACTCAACCCACTCATCTATGCC  
TATTGGCAGAGGGAGTTCCGGCAGCAGCTACCACATGGCCCTGGGAGTGAAAAAGTTCTCACTTCAA  
TCCTCCTCCTTCTCCAGCCAGGAATCGTGGTCCAGAGAGGACCAGAGAAAGCGCCTATCACATCGTCAC  
TATCAGCCATCCGGAGCTCGATGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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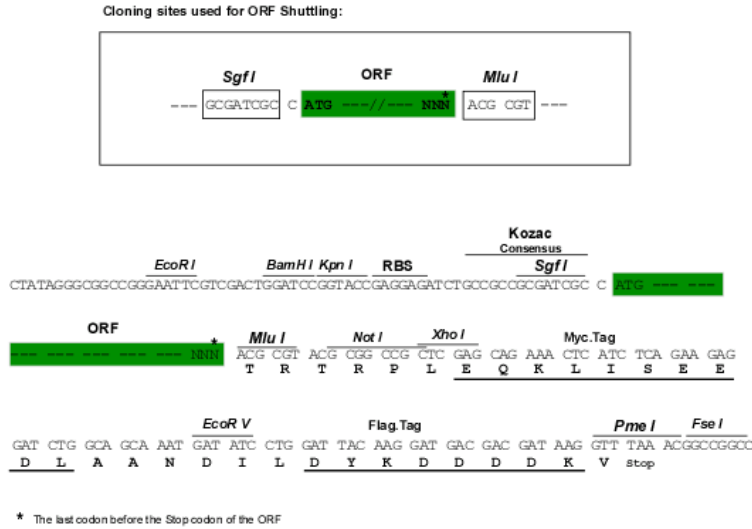
**Protein Sequence:** >MR224908 representing NM\_181751  
Red=Cloning site Green=Tags(s)

MESSFSFGVILAVLTILIIAVNALVVVAMLLSIYKNDGVGLCFTLNLA VADTLIGVAISGLVTDQLSSSA  
 QHTQKTLCSLRMAFVTSSAAASVLTVMLIAFDRYLAIKQPLRYFQIMNGLVAGACIAGLWLVSYLIGFLP  
 LGVSI FQQTYYHGPCSF FAVFHPRFVLTLS CAGFFPAVLLFVFFYCDMLKIASVHSQQIRKMEHAGAMAG  
 AYRPPRSVNDFKAVRTIAVLIGSF T LSWSPFLITSIVQVACHKCLYQVLEKYLWLLGVGNSLLNPLIYA  
 YWQREVRQQLYHMALGVKKFFTSILL LLLPARNRGP PERTRESAYHI VTI SHPELDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_181751

**ORF Size:** 1005 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\\_181751.2](#), [NP\\_861416.1](#)

**RefSeq Size:** 2278 bp

**RefSeq ORF:** 1008 bp

**Locus ID:** 236781

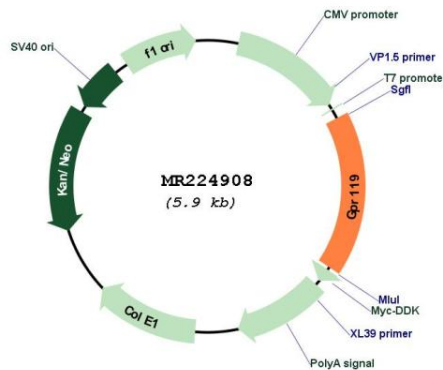
**UniProt ID:** [Q7TQP3](#)

**Cytogenetics:** X A5

**MW:** 37.4 kDa

**Gene Summary:** Receptor for the endogenous fatty-acid ethanolamide oleoylethanolamide (OEA) and lysophosphatidylcholine (LPC). Functions as a glucose-dependent insulinotropic receptor. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Seems to act through a G(s) mediated pathway.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224908