

## Product datasheet for **RR205502**

### **Gpr119 (NM\_181770) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gpr119 (NM_181770) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr119
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR205502 representing NM\_181770  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGTCATCTTCTCATTGGAGTGATCCTTGCTGCTCCTGACCATCCTTATCATTGCTGTTAATGCGC  
 TGGTGGTTGTGGCTATGCTGCTATCAATCTACAAGAATGATGGTGTGGCCTTTGCTTACCTTAAATCT  
 GGCCGTGGCTGATACCTTGATTGGCGTGCTATTTCTGGGCTAGTTACAGACCAGCTCTCCAGCTCTGCT  
 CAGCACACACAGAAGACCTTGTGTAGCCTTCGGATGGCATTTCGTCACCTTCTTCTGCAGCCGCTCTGTCC  
 TCACGGTCATGCTGATTGCCTTTGACAGGTACCTGGCCATTAAGCAGCCCTCCGTTACTTCCAGATCAT  
 GAATGGGCTTGTAGCCGGAGGATGCATTGCAGGGCTGTGGTTGATATCTTACCTTATCGGCTTCTCCCA  
 CTTGGAGTCTCCATATCCAGCAGACCCTACCATGGGCCCTGCACCTCTTTGCTGTGTTTACCACAA  
 GGTGGTGTGCTGACCTCTCCTGTGCTGGCTTCTCCAGCTGTGCTCCTTTGTCTTCTTCTACTGTGA  
 CATGCTCAAGATTGCCTCTGTGCACAGCCAGCACATCCGGAAGATGGAACATGCAGGAGCCATGGTTGGA  
 GCTTGCCGGCCCCACGGCCTGTCAATGACTTCAAGGCTGTCCGACTGTATCTGTCTTATTGGGAGCT  
 TCACCCTGTCTGGTCTCCGTTTCTCATCACTAGCATTGTGCAGGTGGCCTGCCACAAATGCTGCCTCTA  
 CCAAGTGTGGAAAAATACCTCTGGCTCCTTGGAGTTGGCAACTCCCTGTCAACCCACTCATCTATGCC  
 TATTGGCAGAGGGAGGTTCCGGCAGCAGCTTGCCACATGGCCCTGGGGCTACTTGCTGATGGCAGTACAC  
 AACCCCAAATTGAGACACTGAAAGGGAAGGAAGAGAGAAAGAAGGTAGGAAGAAAGACGCTGTACACATG  
 TGATGCACAGACGCTGTACACATGTGATGCACAGACGCTGTACACATGTGATGCACAGACGCTGTACACA  
 TGTGATGCATGTGATACACAGACACTGTACACATGTGATGCACAGACGCTGTACACATGTGATGCACAGA  
 CGCTGTACACATGTGATGCACAGACGCTGTACACATGTGATGCACAGACGCTGTACACATGTGATGCACA  
 GACACTGTACACATGTGATACACAGACGCTGTACACATGTGATGCACAGACGCTGTACACATGTGATGCA  
 CAGACGCTGTACACATGTGATGCACAGACGCTGTACACATGTGATGCACAGACGCTGTACACATCAAGTT  
 TGGTAACTGGCCAAACTGAGCAGACACCACTGAAACGAGCAAACATGAGTGATCCTCTGAGGACATGCAG  
 GGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR205502 representing NM\_181770  
 Red=Cloning site Green=Tags(s)

MESSSFGVILAVLTILIIAVNALVVVAMLLSIYKNDGVGLCFTLNLA VADTLIGVAISGLVTDQLSSSA  
 QHTQKTLCSLRMAFVTSAAASVLTVMLIAFDRLAIAIKQPLRYFQIMNGLVAGGCIAGLWLSYLIIGFLP  
 LGVSIFQQTTHGPCTFFAVFHPRFVLTLSGAGFFPAVLLFVFFYCDMLKIASVHSQHIRKMEHAGAMVG  
 ACRPPRPVNDKAVRTVSVLIGSFTLSWSPFLITSIVQVACHKCLYQVLEKYLWLLGVGNSLLNPLIYA  
 YWQREVRQQLCHMALGLLADGSTQPQIETLKGKEERKKVGRKTLYTCDATLYTCDATLYTCDATLYT  
 CDACDTQTLYTCDATLYTCDATLYTCDATLYTCDATLYTCDATLYTCDATLYTCDATLYTCDATLYT  
 QTLYTCDATLYTCDATLYTSSLVGTQTEQTPKLRANMSDPLRTRCG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2306\\_f05.zip](https://cdn.origene.com/chromatograms/ja2306_f05.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**ACCN:** NM\_181770

**ORF Size:** 1404 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](#)

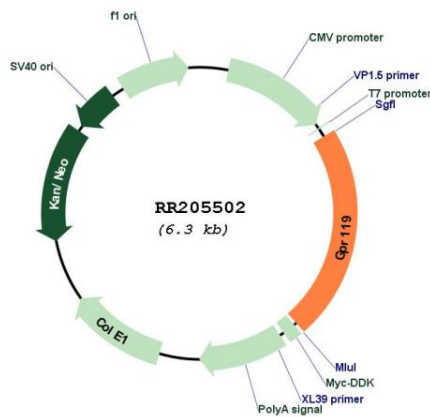
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_181770.1, NP\\_861435.1](#)  
**RefSeq Size:** 1407 bp  
**RefSeq ORF:** 1407 bp  
**Locus ID:** 302813  
**UniProt ID:** [Q7TQN8](#)  
**Cytogenetics:** Xq36  
**MW:** 52.1 kDa  
**Gene Summary:** a member of the rhodopsin subgroup of the G protein-coupled receptor superfamily [RGD, Feb 2006]

**Product images:**



Circular map for RR205502