

## Product datasheet for **RR213131**

### Gpr61 (NM\_001107715) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr61 (NM_001107715) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr61
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR213131 representing NM\_001107715  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGTCTCACCCATCCCCAGTCATCAGAACTCATCCACTTTGGGAAGGGCCCTTCAAACCCAG  
 GTCCCTCTACGGCCAGCGAGTCCAGAGTTGGGACTAAGGGACGTGGCTTCGGAATCTGTGCCCTCTT  
 CTTTCATGCTTCTGTTGGATCTCACTGCTGTGGCGGCAATGCTGCTGTGATGGCTGTTATTGCCAAGACA  
 CCCGCCCTCCGAAAGTTTGTCTTCCATCTCTGTCTGGTGGACCTGCTGGCTGCCCTGACCTCA  
 TGCCCTGGCCATGCTCTCCAGCTCTGCCCTCTTTGACCAGCCCTCTTTGGGAGGTGGCTGCCCT  
 CTACCTGTTCTGAGCGTTTGTCTTGTGAGCCTGGCCATCCTTTCGGTGTCTGCCATTAATGTGGAGCGC  
 TACTATTATGTGGTCCACCCATGCGCTACGAGGTGCGCATGACACTAGGGCTGGTGGCCTCTGTCTGG  
 TGGCGTGTGGGTAAGGCCCTGGCCATGGCGTCTGTGCCAGTGTGGGAAGGTCTACTGGGAGGAAGG  
 AGCTCCAGTGTAAACCCAGGCTTTCTCCAATGGAGCCATAGTGCCTACTGCCAGCTTTTTGTGGTG  
 GTCTTTGCTGTTCTTACTTCTTGTCTGCCCTTGATCCTGATCTTTGTGGTCTACTGCAGCATGTTTCGAG  
 TGGCTCGCGTGGCTGCCATGCAACATGGGCCGTGCCACGTGGATGGAGACGCCCGGCAACGCTCTGA  
 GTCTCTCAGTAGCCGCTCTACTATGGTCACTAGCTCCGGGGCTCATCAGACCACCCACACCGGACGTTT  
 GGGGGTGGGAAGGCAGCAGTGGTCTCCTGGTGTCCGGGGACAGTTCCTGCTTTGTTGGTTACCTACT  
 TCTCTTCCATCTCTATGTTGCCCTGAGTGTCTCAGCCATTTCAACAGGACAGGTGGAGAATGTGGTGAC  
 CTGGATCGGCTACTTTTGCTTCACTTCCAACCTTTTTTCTATGGATGTCTCAACCGTCAGATCCGGGGC  
 GAGCTTAGCAAACAGTTTGTCTGTTTCTCAAGGCAGCTCCAGAGGAGGAGCTGAGGCTGCCGAGTCGCG  
 AAGGCTCCATCGAGGAGAATTTCTACAGTTTCTCCAGGTACATCTGAGAACTGGGTTTCTCGGCCCT  
 ACCCAGCCCTAAGCGGGAGCCACCGCTGCTGTTGACTTTCGAATCCAGGCCAGATTGCTGAGGAGACC  
 TCGGAGTCTTGAGCAGCAACTCACCAGCGACATCATCATGTCCGACAGCTACCTCCGTCTGCCCTT  
 CACCAAGGCTGGAGTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213131 representing NM\_001107715  
 Red=Cloning site Green=Tags(s)

MESSPIPQSSGNSSTLGRALQTPGPSTASGVPELGLRDVASESVALFFMLLLDLTAVAGNAAMVAIAKT  
 PALRKVFVVFHLLCLVDLLAALTLMLPLMLSSALFDHALFGEVACRLYLFLSVCFVSLAILSVSAINVER  
 YYYVVHPMRYEVRMTLGLVASVLGVVVKALAMASVPVLGRVYWEEGAPSVNPGCSLQWSHSAYCQLFVV  
 VFAVLYFLLPLILIFVVYCSMFRVARVAAMQHGPLPTWMETPRQRSELSRSTMTVSSGAHQTPHRTF  
 GGGKAAVVLLAVGGQFLLCWLPYFSFHL YVALSAQPISTGQVENVTWIGYFCFTSNPFFYGCLNRQIRG  
 EL SKQFVCFKAAPEEELRLPSREGSIEENFLQFLQGTSENWVSRPLPSPKREPPPAVDFRIPGQIAEET  
 SEFLEQLTSDIIMSDSYLRPAPSPRLES

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1738\\_c04.zip](https://cdn.origene.com/chromatograms/ja1738_c04.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001107715

**ORF Size:** 1347 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](#)

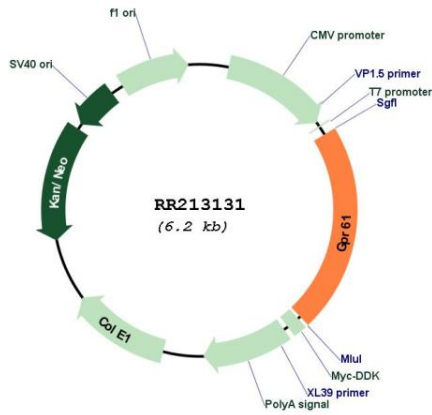
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\_001107715.2, NP\_001101185.2  
 RefSeq Size: 3368 bp  
 RefSeq ORF: 1350 bp  
 Locus ID: 310780  
 Cytogenetics: 2q34  
 MW: 49.8 kDa

**Product images:**



Circular map for RR213131