

Product datasheet for **RR207500**

Gpr68 (NM_001108049) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr68 (NM_001108049) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr68
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207500 representing NM_001108049 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGAGTAAGGCCCTTCTGGCCAAAGATGGGAACATCACTACAGAAAACCTCTACTACCTTGCC
CCATTGACCACCATCCACCAGACACTGGCCCCAGTGGTCTATGTGACCGTGCTGGTGGGCTTCCC
GGCCAACTGCCTATCCCTCTACTTTGGTACTTGAGATCAAGGCCCGAAATGAGCTGGGAGTGTACCTG
TGTAACCTGACCATTGCAGACCTATTCTATATCTGTTTCGCTCCCTTCTGGCTGCAGTACGTACTCCAGC
ATGACAACTGGTCCCACGGTGACCTATCCTGCCAGGTGTGTGGCATCCTCCTCTATGAGAACATTTACAT
CAGCGTGGGCTTCTCTGCTGTATCTCCATCGACCGCTACCTGGCTGTGGCCACCCCTTCCGCTTCCAC
CAGTTCGACCCCTGAAGGCAGCCGTGGGTGTCAGTGTGCTCATCTGGCCAAGGAGCTGCTGACCAGCA
TCTACTTCTCAAGCACAAGGAGGTCATCGAAGACGAGGACCGGACCGAGTCTGCTTTGAGCATTACCC
TATCCAGGCGTGGCAGCGTGGCATCAACTACTACCGTTTCTGGTGGGCTTCTCTTTCCATCTGCCTG
CTGCTGGCCTCCTACCAGGCATCCTGCGGGCTGTGCGCCGACCCATGGCACCCAGAAGAGCCGCAAGG
ACCAGATTGAGCGGCTGGTGTCTCAGCACCGTGGTCACTTCTCTGGCTTGCTTCTGCCCTACCACGTGCT
GCTGCTGGTGGCAGCCTCTGGGAGAGCAGCTGTGACTTTGCCAAGAGCATCTTCAACATCTATCACTTC
TCCTCCTCCTACCAGCTTCAACTGTGTAGTGACCCGGTGTGTACTGCTTTGTGAGTACGACCACTC
ACAGGGACCTAGCCCGCCTCCGAGGAGCCTGCCTAGCCTTCTTACCTGCTCTAGGACAAGCAGGGCCAG
GGAGGCCCTACCCTCTGGGTGCCCTGAGGCCTCTGGGAAAAGTGGGGCCAGGGCGAGGAGCCTGAATTG
TTAACCAAGCTCCACTCAGCCTTCCAGACCCCTAACTCACTGGGATTGGGAGGGCCCCCACAGTTGGCT
TGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR207500 representing NM_001108049
 Red=Cloning site Green=Tags(s)

MRSKAPSGPKMGNITTENSSLPIDHTIHQTLAPVVVYTVLVVGFANCLSLYFGYLQIKARNELGVYL
 CNLTIADLFYICSLPFWLQYVLQHDNWSHGDLSCQVCGILLYENIYISVGFLCCISIDRYLVAHPFRFH
 QFRTLKAAVGVSVLIWAKELLTSIYFLKHKEVIEDEDRHRVCFEHYPIQAWQRGINYYRFLVGFLLPICL
 LLASYQGILRAVRRSHGTQKSRKQIQRLVLTSTVIFLACFLPYHVLLLVRSLWESSCDFAKSIFNIYHF
 SLLLTSTFNCVADPVLYCFVSETTHRDRLARLGAFLAFLTCRSTRAREAYPLGAPEASGKSGAQGEEPEL
 LTKLHSAFQTPNSLGLGGPPTVGLA

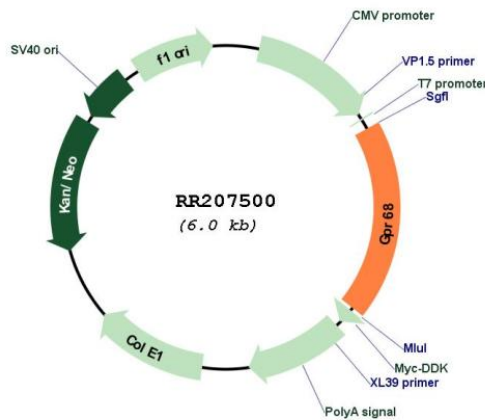
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108049

ORF Size:	1125 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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:	<u>NM_001108049.1, NP_001101519.1</u>
RefSeq Size:	3115 bp
RefSeq ORF:	1128 bp
Locus ID:	314386
Cytogenetics:	6q32
MW:	42.3 kDa