

## Product datasheet for **RR216349**

### Gpr31 (NM\_001169132) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr31 (NM_001169132) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr31
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216349 representing NM_001169132 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGCGCACCAACTGCTCAGCGGCCAGCCCTGTGGTGGAGACAGCCGTGGGCGCCATGCTGACACTGG  
AGTGTGTGCTGGCCTTATGGCAATGCTGTGGCCCTCTGGACCTCTTTTACCGTCTCAAAGTGTGGAA  
GCCTTATGCCGTCTACCTGTTCAACCTGGTGGTGGCTGACCTGCTGCTGGCCACCAGTCTGCCATTCTTA  
GCTGCCTTCTATCTGAAGGGCAAGACCTGGAAGCTCGGCCACACGCCCTGCCAAGTCTGCTCTTCTCTGC  
TGACATTCAGCCGTGGTGTGGGGTAGCCTTCTGACGACAGTGGCTCTAGACCGGTATCTGCGTGTGAT  
CCATCCTCGGCTCAGAGTAACTTGCTGTCTCTGAAGGCAGCTTGGGGCATCTCCAGCCTCATCTGGCTT  
CTGATGGTTGTTCTCACTCCCCAAAACCTGCTCATTTGCAAGACTACCCAGAATTCACGGAGTGCCCCA  
GCTTCTACCCCGTAGGAGAGACCAAGCCAGTGCCACCTGCCAGGAGTACTCTTCTTCTCAGGTCTCT  
GATTCCCTTTGCCCTCATCTCTTCTGCAACAGTGAGCTCATCAGGACCCTCCAGAAGAGACTCCGAGAG  
TCTGACAAACAGCCAGGATCCGGAGGGCCAGGGTCTGGTTGCCATGGTGTGCTACTGTTCCGGCTGT  
GCTTCTGCCTAGCGTCTGACCAGGGTCTGGTGCACATCTTTCAGGAATTTGAGAGCTGCACTGTCCA  
GAAAGCCATGGTGCAGGCCTCTGACATCGCAGGCAGCCTCACCTGCCTGCACAGTGCAGTGCAGCCGGCC  
ATTTACTGCTTCTCCAATCCAGCCTTACCCACTCATACCGGAAGGTGCTCAAAAGCCTTCGGGGCATGA  
GGAAGGTAGCAGAATCACCTAGCTCCAACCTCAGGGACTCCATTTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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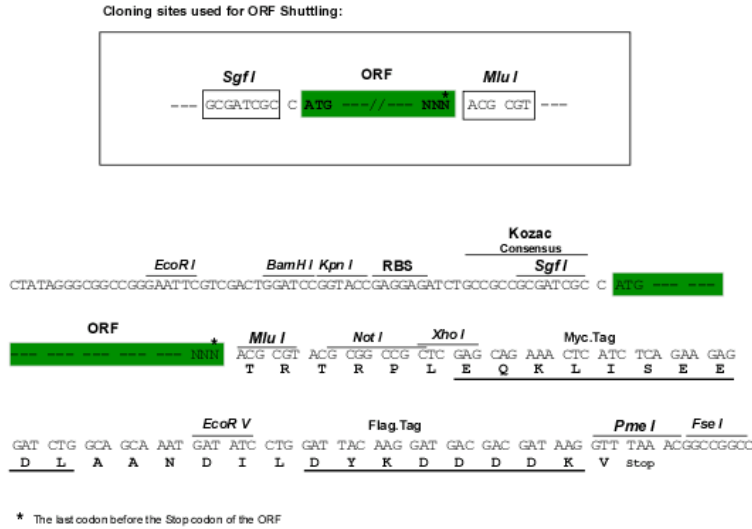
**Protein Sequence:** >RR216349 representing NM\_001169132  
 Red=Cloning site Green=Tags(s)

MERTNCSAASPVVETAVGAMLTLECVLGLMGNAVALWTFYRLKVKPYAVYLFNLVVADLLLATSPLPFL  
 AAFYLGKGTWKLGHTPCQVLLFLLTFSRGVGVAFLLTTVALDRYLRLVIHPRLRVNLLSLKAAGISSLIWL  
 LMVVLTPQNLICKTTQNSTECPYFYPVGETKASATCQEVLFLLQVLIIPFALISFCNSELIRTLQKRLRE  
 SDKQPRIRRARVLVAMVLLLFGLCFLPSVLTRVLVHIFQEFESCTVQKAMVQASDIAGSLTCLHSALSPA  
 IYCFSNPAFTHSYRKVLKSLRGMKVAESPSSNLRDSIS

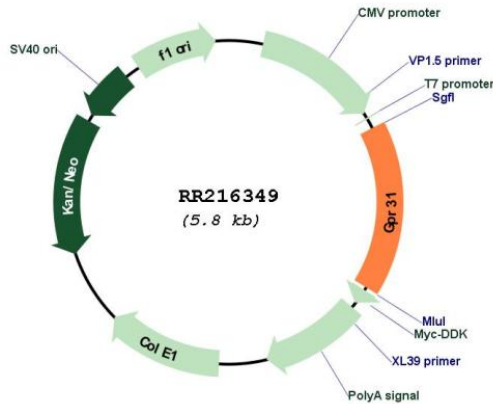
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001169132

<b>ORF Size:</b>	957 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001169132.1</a> , <a href="#">NP_001162603.1</a>
<b>RefSeq Size:</b>	960 bp
<b>RefSeq ORF:</b>	960 bp
<b>Locus ID:</b>	292310
<b>Cytogenetics:</b>	1q12
<b>MW:</b>	35.6 kDa