

## Product datasheet for **RR201182**

### Gper1 (NM\_133573) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gper1 (NM_133573) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gper1
Synonyms:	Gper; Gpr30; GPR41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201182 representing NM_133573 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCAACTACTCCAGCACAAAGATGTTGGCGTAGAGATCTACCTAGGTCCCCTGTGGCCAGCCCCTT  
CCAACAGCACCCCTCTGGCCCTCAACCTGTCCCTGGCGCTGCGGGAAGATGCCCGGGGAACCTCACTGG  
GGACCTCTCTGAACATCAGCAATATGTGATCGCTCTCTTCTCTCCTGCCTACACCATTTCTCTTC  
CCCATCGGCTTTGTGGCAACATCCTCATCTTGGTGGTGAACATCAGCTTCCGGGAGAAGATGACTATCC  
CAGACCTGTACTTCATCAACCTGGCAGCGGCTGACCTCATCCTGGTGGCCGACTCCCTGATCGAGGTGTT  
CAACCTGGACGAGCAGTATTACGATATCGCCGTGCTCTGCACCTTCATGTCCCTTCTCTGCAGTCAAC  
ATGTACAGCAGCGTCTTCTTCTCACCTGGATGAGCTTCGACAGGTACCTGGCGCTGGCCAAAGCCATGC  
GCTGTGGCCTCTTCCGCACCAAGCACCACGCGCGGCTCAGCTGTGGCCTCATCTGGATGGCCTCAGTGT  
CGCCACGCTGGTGCCTTACGGCCGTGCATCTGCGGCACACCGAGGAGGCTGCTTCTGCTTTGCCGAT  
GTCAGGGAGGTGCAGTGGCTGGAGGTACGCTGGGCTTATTGTGCCCTTCGCCATCATCGGCTGTGCT  
ATTCCTCATCGTGGGGCCCTCATCCGGGCCACAGGCATCGTGGCCTGCGCCACGCAGGCAGAAAGC  
CCTGAGGATGATCTTCGAGTGGTCTTGTCTTCTTCTATCTGCTGGCTGCCGAGAAGCTTTCATCAGC  
GTCCACCTACTGCAGTGGGCGCAGCCAGGGGACACTCCCTGCAAGCAGTCTTCCGTCATGCCTACCCCT  
TGACAGGCCACATAGTCAACCTGGCAGCCTTCTCCAACAGCTGCCTGAGTCCCCTCATCTATAGTCTCT  
GGGAGAGACCTTCAGGGACAAGCTCAGGCTGTATGTGGCGCAGAAGACGAGCCTGCCAGCTCTCAACCGC  
TTCTGCCATGCCAGCTCAAGGCAGTCATACCAGACAGCACGGAGCAGTCAGATGTCAAGTTCAGCAGTG  
CTGTACTGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201182 representing NM\_133573  
Red=Cloning site Green=Tags(s)

MAATTPAQDVGVEIYLGVPWPAPSNSTPLALNLSLALREDAPGNLTGDLSEHQYVIALFLSCLYTIFLF  
 PIGFVGNILILVVNISFREKMTIPDLYFINLAAADLILVADSLIEVFNLDEQYYDI AVLCTFMSLFLQIN  
 MYSSVFFLTWMSFDRYLALAKAMRCGLFR TKHHARLSCGLIWMASVSATLVPFTA VHLRHTEEACFCFAD  
 VREVQWLEVTLGFIVPFAIIGLCYSLIVRALIRAHHRHRLRPRRQKALRMIFAVVLVFFICWLPENVFIS  
 VHLLQWAQPGDTPCKQSF RHAYPLTGHIVNLA AF SNSCL SPLIYSFLGETFRDKLRLYVAQKTS L PALNR  
 FCHATLKA VIPDSTEQSDVKFSSAVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1729\\_g02.zip](https://cdn.origene.com/chromatograms/ja1729_g02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_133573

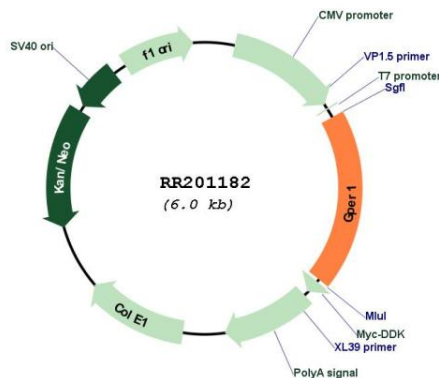
**ORF Size:** 1125 bp

**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](#)

<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_133573.1</a> , <a href="#">NP_598257.1</a>
<b>RefSeq Size:</b>	1278 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	171104
<b>UniProt ID:</b>	<a href="#">O08878</a>
<b>Cytogenetics:</b>	12q11
<b>MW:</b>	42.3 kDa
<b>Gene Summary:</b>	an orphan G protein-coupled receptor found in lung [RGD, Feb 2006]

### Product images:



Circular map for RR201182