

## Product datasheet for **RR204046**

### Gosr2 (NM\_031685) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Gosr2 (NM\_031685) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Gosr2  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR204046 representing NM\_031685  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGAGCCACTATACCAACAACGCACAAGCAGGTCCACGAGATCCAGTCTCACATGGGACGCCTGGAGA  
CGGCAGACAAGCAGTCTGTGCACCTTAGTGGAAAATGAAATCCAAGCAAGCATAGACCAGATATTCAGCCA  
CCTGGAGCGTCTGGAGATTCTGTCAAGCAAGGAGCCCCCAATAGAAGGCAGAACGCCAACTTCGTGTC  
GACCAGCTAAAGTACGAGTCCAGCACTTGACACTGCCCTCAGGAACTTTCAGCACCGCGCCAAGCCA  
AGGAGCAGCAGGAGAGACAGCGAGATGAGCTTCTGTCTCGCACCTTACCCTAACGACTCTGACACCAC  
CATTCCCATTGGATGAATCACTGCAGTTAACTCCTCCCTCCAGAATTACCACGGCATGGATGACCTC  
ATTGGAGCGGGCACAGTATTCTGGAGGGACTGAGGGCCAGAGACTGACCTTGAAGGGGACTCAGAAAA  
AGATCCTCGACATTGCCAACATGCTCGGCTTGCCAACACCGTGATGAGGCTGATTGAGAAGCGGGCCTT  
CCAGGACAAGTACTTCATGATCGGTGGGATGCTGCTCACTTGTCAGTTATGTTTCTCGTGGTGCAGTAC  
CTGACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204046 representing NM\_031685  
Red=Cloning site Green=Tags(s)

MEPLYQQTHKQVHEIQSHMGRLETADKQSVHLVENEIQASIDQIFSHLERLEILSSKEPPNRRQNAKLRY  
DQLKYDVQHLQALRNHQHRRQAKEQQRQRDELLSRTFTTNDSDTTIPMDESLQFNSSLQNIHHGMDDL  
IGGGHSILEGLRAQLTLKGTQKKILDIANMLGLSNTVMRLIEKRAFQDKYFMIGMMLLTCAVMFLVVQY  
LT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV



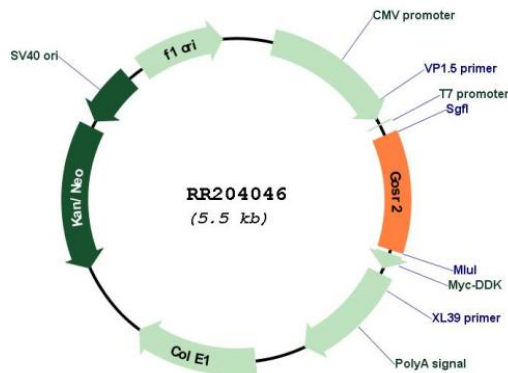
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_031685

ORF Size: 636 bp

OTI Disclaimer: 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.

<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>	<u><a href="#">NM_031685.2</a></u> , <u><a href="#">NP_113873.1</a></u>
<b>RefSeq Size:</b>	2099 bp
<b>RefSeq ORF:</b>	639 bp
<b>Locus ID:</b>	64154
<b>UniProt ID:</b>	<u><a href="#">O35165</a></u>
<b>Cytogenetics:</b>	10q32.1
<b>MW:</b>	24.6 kDa
<b>Gene Summary:</b>	may play a role in vesicle transport from the cis/medial to the trans-Golgi/TGN [RGD, Feb 2006]