

Product datasheet for **RR202665**

Gys2 (NM_013089) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gys2 (NM_013089) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gys2
Synonyms:	GLYSN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR202665 representing NM_013089
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCAGGGCCGCTCCTTGTCTGTGACGTCCCTTGGTGGGCTCCCTGCATGGGAAGCTGAAAGACTCC
 CCGTGGAAAGACTTATTGCTTTTTGAAGTTTCTGGGAAGTGACCAACAAAGTTGGGGCATCTGTACTGT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RR202665 representing NM_013089
 Red=Cloning site Green=Tags(s)

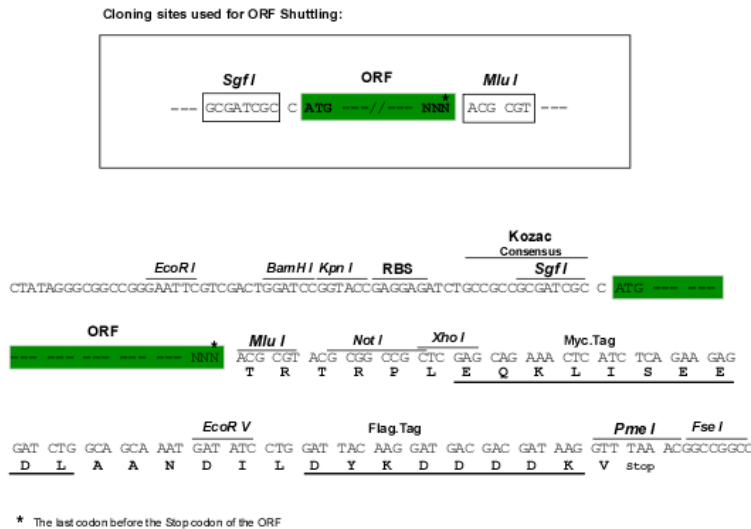
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 MDYEEFVRGCHLVGFPSPYEPWGYTPAECTVMGIPSVTTNL SGFGCFMQEHVADPTAYGIYIVDRFRSP
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 TDGFKYPRPSSVPPSPSGSQTSSPQSSDVENEGDEDERYDEEEEAERDRLNIKSPFSLNHIPKGGKLLHG
 EYKN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_013089

ORF Size: 2112 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.

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_013089.2](#), [NP_037221.2](#)

RefSeq Size: 2574 bp

RefSeq ORF: 2115 bp

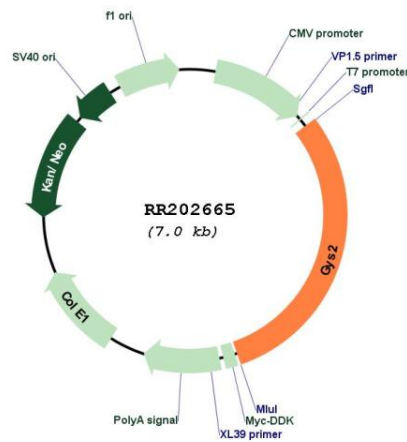
Locus ID: 25623

Cytogenetics: 4q44

MW: 80.7 kDa

Gene Summary: catalyzes the formation of 1,4-a-linked glucose chains in glycogen, the primary storage form of glucose [RGD, Feb 2006]

Product images:



Circular map for RR202665