

## Product datasheet for **RN202665**

### **Gys2 (NM\_013089) Rat Untagged Clone**

#### **Product data:**

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



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Fully Sequenced ORF: >RN202665 representing NM\_013089  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGCTCAGGGGCCGCTCCTTGTCTGTGACGTCCCTTGGTGGGCTCCCTGCATGGGAAGCTGAAAGACTCC  
CCGTGGAAGACTTATTGCTTTTTGAAGTTTCTGGGAAGTGACCAACAAAGTTGGGGCATCTGTACTGT  
GATCCAGAGCAAAGCCAAAACCCAGCCAAATGAATGGGGAGAGAATTACTTCTGATAGGTCCGATTTTT  
GAGCATAATGTGAAGACTCAAGTAGAGCCATGCGAGCCCGCCAACGATGCCGTGAGAAAAGCTGTGGATG  
CCATGAACAAACATGGCTGCCAGGTGCATTTTGGAAAGTGGCTGATAGAAGGGAGTCCGTATGTGGTGCT  
TTTTGACATCAGCTCCTCAGCGTGAACCTGGACAGGTGGAAGGGAGACTTCTGGGAAGCATGTGGCGTT  
GGCATCCCTCACGACCGAGAAGCCAATGACATGCTCATATTTGGGTCTTTAACTGCCTGGTTCTTAA  
AGGAGGTGACGGACCATGCAGACGGTAAACACGTCATTGCCCAATCCATGAATGCCAGGCTGGAAGTGG  
GCTGATCCTTTCTCGTCCAGGAACTCCCATCGCCACAATATTTACAACCCATGCCACACTGCTGGGG  
CGGTATCTCTGTGACGAAATATTGACTTCTACAACAGCTTGATAAGTTCAACATAGACAAAGAGGCCG  
GGGAGAGGCAGATTTATACCGCTACTGCATGGAGCGGGCTTCCGTGCACTGTGCGCACGTGTTTACCAC  
AGTGTCAGAAATCACAGCCATCGAGGCGGAGCAGATGCTGAAGAGGAAGCCTGATGTGGTACTCCAAAC  
GGCTTGAACGTTAAGAAGTTTTCTGCGGTGCACAGTTTTCAAAATCTCCATGCCACATACAAGGCCAGGA  
TACAGGATTTTGTTCGAGGTCAATTTCTATGGCCACCTGGACTTCGATCTTGAAAAGACGTTATTTCTTTT  
CATTGCTGGGAGGTATGAGTTCTCCAACAAGGGAGCAGACATCTCCTAGAATCCTTATCCAGGCTCAAT  
TTCTCCTAAGGATGCATAAGAGTAACGTCACCTGTGGTAGTGTTTTTCATCATGCCTGCCAAGACAAACA  
ATTTCAACGTGGAAACCCTGAAGGGCCAGGCGGTGCGGAAACAGCTGTGGGACACTGTGACTGTATGAA  
GGAAAAGTTTTGGAAAGAACTCTACGATGGGTTATTAAGAGGAGAAATACCCGACATGAATAGTATTTTG  
GATCGAGATGACTTAACAATTATGAAAAGGCCATTTTTTCAACTCAGAGACACTCTTGGCTCCTGTGA  
CCACTCACAATATGATCGACGATTCCACGGATCCCATCCTCAGCACCATTGACGAATTGGACTTTTCAA  
CAATCGCACAGACAGAGTCAAGGTGATTTTACACCCAGAATTCCTGTCTCCACCAGCCCTACTACCA  
ATGGATTATGAAGAGTTTGTCCGAGGCTGTACCTTGGGGATTTCCATCATACTATGAGCCCTGGGGTT  
ACACGCCAGCCGAATGCACAGTGTGGCATCCCCAGTGTGACTACGAACCTCTCTGTTTCGGGTGTTT  
CATGCAGGAGCATGTGGCTGACCCTACCGGTACGGTATTTATATCGTCGACAGACGCTTCCGCTCTCCA  
GATGATCTTGAACAGCTGACTCAGTTTCTCTATGGGTCTGTAAACAGTCCCGCCCAAAGAAATCA  
TCCAGAGGAACCCACCGAGAGGCTTTCAGATCTTCTGGACTGGAGATACCTGGGAGATATTACCAGCA  
TGCCAGACATCTGACACTGAGCAGGGCTTTTCCAGACAAATCCACCTGGAGCCACATCCCCACCAACG  
ACGGATGGCTTTAAGTATCCCAGGCCCTCCTCAGTACCACCTTCCCCATCAGGATCCCAGACTTCAAGTC  
CTCAGAGCAGCGATGTGGAAAACGAAGGGGATGAGGATGAGAGATATGATGAGGAAGAGGAGGCTGAGAG  
GGACCGGCTAAACATCAAGTCACCATTTTCCCTGAACCACATCCCAAAGGGGAAGAAAAGCTTCATGGA  
GAATATAAGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM\_013089

Insert Size: 2115 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

|                               |   |
|-------------------------------|---|
| <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_013089.2</a></u> , <u><a href="#">NP_037221.2</a></u>   |
| <b>RefSeq Size:</b>           | 2574 bp   |
| <b>RefSeq ORF:</b>            | 2115 bp   |
| <b>Locus ID:</b>              | 25623   |
| <b>Cytogenetics:</b>          | 4q44  |
| <b>Gene Summary:</b>          | catalyzes the formation of 1,4-a-linked glucose chains in glycogen, the primary storage form of glucose [RGD, Feb 2006]   |