

## Product datasheet for **MC221219**

### **Gys1 (NM\_030678) Mouse Untagged Clone**

#### **Product data:**

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | Gys1 (NM_030678) Mouse Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | Gys1                                  |
| Synonyms:                 | Gys3; MGS                             |
| Mammalian Cell Selection: | Neomycin                              |
| Vector:                   | pCMV6-Entry (PS100001)                |
| E. coli Selection:        | Kanamycin (25 ug/mL)                  |



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**Fully Sequenced ORF:** >MC221219 representing NM\_030678  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTCTCAGCCGAGTCTCTCTGTGTCTCGTTCAGGATTGGAAGACTGGGAGGATGAATTCGACC  
 CCGAGAACGCAGTGCTTTTCGAGGTGGCTGGGAGGTGGCCAACAAGGTGGGTGGCATCTACACTGTGCT  
 GCAGACGAAGGCCAAGGTGACAGGGGATGAATGGGGTGACAACACTACTATCTGGTGGGACCATAACCGGAG  
 CAGGGTGTGAGGACGCAGGTAGAGCTCCTGGAGCCCCAACTCCGGAAGTGAAGAGGACTTTGGATTCCA  
 TGAACAGCAAGGGTTGTAAGGTGATTTTGGGCGTTGGCTGATCGAGGGGGACCCTAGTGGTCTCT  
 GGATGTAGGAGCCTCAGCTTGGGCCCTGGAGCGCTGGAAGGGTGAGCTTTGGGACACCTGCAACATCGGG  
 GTACCCTGGTACGACCGGAGGCCAATGACGCTGTCTGTTCCGGTTCCTCACCACCTGGTTCCTGGGTG  
 AGTTCCTGGCCCAGAACGAAGAGAAGCCGTATGTGGTTGCCACTCCACGAATGGTTGGCTGGCGTTGG  
 TCTGTGCTGTGCCGTGCCCGGCGTTCGGGTGGCAACCATCTCACCACCTCATGCCACGCTGCTGGGG  
 CGCTACCTGTGTGCTGGCGCTGTGGACTTCTACAACAACCTGGAGAATTTCAATGTAGACAAGGAAGCAG  
 GAGAGAGGCAGATCTATACCGGTACTGCATGGAGCGTGACGAGCTCACTGTGCCCATGTCTTCACTAC  
 CGTATCCCAGATCACCGCAATCGAGGCTCAACACCTCCTTAAGAGAAAACCAGATATTGTGACCCCCAAC  
 GGGCTGAATGTGAAGAAGTTCTCTGCTATGCACGAATTCAGAACCTTCATGCTCAGAGCAAAGCACGAA  
 TCCAGGAATTTGTGCGTGGCCATTTTTATGGGCACCTGGACTTCAACCTAGACAAGACTTTGATTTCTT  
 TATCGCTGGCCGCTATGAGTTTTCAACAAGGGAGCTGATGTGTTCTGGAGGCATTGGCCCCGCTCAAC  
 TATCTGCTCAGAGTGAATGGCAGTGAGCAAACAGTTGTCGCATTCTTCATCATGCCGGCCCGGACCAATA  
 ATTTCAACGTGGAAACCCTGAAGGGCCAAGCCGTGCGCAAACAACATATGGGACACAGCCAATACAGTCAA  
 GGAGAAATTTGGGAGGAAGCTCTACGAATCCCTTTTGTAGGGGAGCCTCCCGGACATGAACAAGATGCTG  
 GACAAGGAGGACTTCACTATGATGAAGAGGCCATCTTGGCCACTCAGCGGCAGTCTTCCACCAGTGT  
 GCACCCACAACATGCTGGACGACTCCTCAGACCCCATCTTGACCACCATCCGCCGAATTGGCCTTTTCAA  
 CAGCAGTCCCGACCGTGTGAAGGTGATTTTTACCCAGAAATTCCTTTCTCCACAAGCCCTCTCCTCCCC  
 GTGGATTATGAGGAATTTGTCCGCGCTGTACCTTGGGGTCTCCCTCCTACTATGAGCCCTGGGGCT  
 ACACACCAGCGGAGTGCACTGTCATGGGCATCCCAGCATCTCCACCAACCTCTCCGGCTTTGGCTGCTT  
 TATGGAGGAACACATCGCAGATCCCTCAGCTTACGGCATTACATTCTGGATCGGAGTTCCGCAGCCTG  
 GATGATTCATGCTCACAGCTCACCTCCTCCTGTACAGCTTCTGCCAGCAGAGCCGGCGACAGCGCATCA  
 TCCAGCGGAACCCACAGAACGGTTGTCCGACTTGTAGATTGGAAGTACCTGGGCCGGTACTACATGTC  
 TGCCGCGCACATGGCTCTGGCCAAGGCCTTCCAGACCACTTACCTATGAACCCATGAGGTAGATGCG  
 ACCCAGGGGTACCGGTACCCACGACCCAGCCTCCGTCCCGCCGTGCGCCCTCACTGTCTCGACACTCCAGCC  
 CACACCAGAGTGAGGATGAGGAAGAGCCACGGGATGGACCCCTGGGGGAAGACAGTGAGCGTTATGATGA  
 GGAAGAGGAGGCTGCCAAGGACCGCCGAACATCCGGGCACCTGAGTGGCCACGCAGGGCCCTCCTGTTCC  
 TCCTCCACAGGTGGCAGCAAGAGAAGCAACTCGGTGGACACTGGGCCCTCCAGCTCACTCAGCACACCCA  
 CTGAGCCCCTGAGTCTACCAGTTCCTGGGTGAGGAGCGCAAC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_030678

**Insert Size:** 2217 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_030678.3</a></u> , <u><a href="#">NP_109603.2</a></u>   |
| <b>RefSeq Size:</b>           | 3681 bp   |
| <b>RefSeq ORF:</b>            | 2217 bp   |
| <b>Locus ID:</b>              | 14936   |
| <b>UniProt ID:</b>            | <u><a href="#">Q9Z1E4</a></u>   |
| <b>Cytogenetics:</b>          | 7 29.31 cM  |
| <b>Gene Summary:</b>          | Transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan.<br>[UniProtKB/Swiss-Prot Function]   |