

Product datasheet for **RN214818**

Gys1 (NM_001109615) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gys1 (NM_001109615) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gys1
Synonyms:	MGC156743
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214818 representing NM_001109615
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCTCAGCCGAGTCTCTCTATGTCCTCGTTCAGGATTGGAAGACTGGGAGGATGAATTCGACC
 CGGAGAACGCAGTGCTTTTCGAGGTGGCTGGGAGGTGGCCAACAAGGTGGGTGGCATCTACACTGTGCT
 GCAGACGAAGGCCAAGGTGACCCGGGATGAATGGGGTGACAACACTACTATCTGGTGGGACCATACACGGAG
 CAGGGTGTGAGGACGCAGGTGGAGCTCCTGGAGCCCCAACTCCTGAACTGAAGAGGACTCTGGATTCCA
 TGAACAGCAAGGGCTGTAAGGTGATTTTGGGCGTTGGCTGATCGAGGGGGACCCTAGTGGTCTCT
 GGATGTAGGGCCTCAGCCTGGGCCCTGGAGCGCTGGAAGGGTGAACCTTGGGACACCTGCAACATCGGG
 GTACCCTGGTACGACCGTGAAGCAATGATGCCGCTCTGTTGGTTTCTCACCACCTGGTCTCTGGGTG
 AGTTCCTGGCCCAGAATGAAGAGAAGCCATATGGTTCGCCCACTCCATGAATGGTTGGCAGGCGTTGG
 TCTGTGCTGTGCCGAGCCGGCGTTTGGCGGTGGCAACCATCTCACCACCTCACGCCACGCTGCTGGGT
 CGCTACCTATGTGCTGGTGGCCTGGACTTCTACAACAACCTGGAGAATTTCAATGTAGACAAGGAAGCAG
 GCGAGAGGCAGATCTATACCGGTACTGCATGGAGCGGGCAGCAGCCCACTGTGCCCATGTCTTCACTAC
 AGTGTCCCAGATCACCGGATTGAGGCTCAACACCTCCTCAAGAGGAAACCAGATATTGTGACCCCCAAT
 GGACTAAATGTGAAGAAGTTCTCTGCTATGCACGAATTCAGAACCTTACGCTCAGAGCAAAGCACGAA
 TCCAGGAGTTTGTGCGTGGCCATTTTTATGGGCACCTGGACTTCAACCTAGACAAGACTTTGATTTCTT
 TATCGCTGGACGCTATGAGTTTTCCAACAAGGGAGCTGATATTTCTGGAGGCATTGGCCCCGCTCAAC
 TACCTGCTCAGAGTGAATGGCAGCGAGCAAACTGTTGTGGCATTCTTATCATGCCGGCTCGGACCAACA
 ACTTCAACGTGGAAACCCTGAAGGGCCAAGCCGTGCGCAACAGCTATGGGACACAGCCAAATACAGTCAA
 GGAGAAATTTGGGAGGAAGCTCTACGAATCCCTATTAAGTGGGTAGCCTCCCCGACATGAACAAGATGCTG
 GACAAGGAGGACTTCACTATGATGAAGAGGCCATCTTTGCGACTCAGCGGCAGTCTTCCACCGGTG
 GTACCCACAACATGCTGGATGACTTTCAGACCCCATCTTGACCACCATCCGACGAATCGGCCTTTTCAA
 CAGTAGTGCAGCCGTGTAAGGTGATTTTTACCCAGAAATCCTTTCTTCCACAAGCCCTCTGCTCCCC
 GTGGACTATGAAGAGTTCGTCCGTGGCTGTACCTTGGAGTCTTCCCTCCTACTATGAGCCCTGGGGCT
 ACACACCAGCGGAGTGCATGTCATGGGCATCCCGAGCATCTCCACGAACCTCTCCGGCTTTGGCTGCTT
 TATGGAGGAGCACATTGCAGATCCCTCGGCTTACGGCATTACATTCTGGATCGGAGGTTCCGAAGCCTG
 GATGATTCATGCTCCCAACTCACCTCCTTCTGTACAGCTTCTGTGAGCAGAGCCGGCAGCAGCGCATCA
 TTCAGCGGAATCGCACAGAGCGATTGTGACAGCCTGCTGGATTGGAAGTACCTAGGCCGGTACTACATGTC
 TGCCGCGCCACATGGCTCTGGCCAAGGCCTTTCCAGACCACTTACCTATGAGCCCATGAGGTAGATGCG
 ACCCAGGGGTACCGTTACCCACGGCCGGCTCCGTGCCACCGTCAACCCTCACTGTCTCGACTCCAGCC
 CACACCAGAGTGAGGATGAAGAAGAGCCACGGGATGGACCCCTGAGGGAAAGACAGTGAGCGTTATGATGA
 GGAAGAAGAGGCTGCCAAGGACCGCCGAACATCCGGGCACCCGAGTGGCCACGCCGGCCCTCTGCTCC
 TCCTCCACAGGCGGCAGCAAGAGAAGCAACTCAGTGGACACTGGGCCCTCCAGCTCACTCAGTACACCCA
 CTGAGCCCCTGAGTCTACCAGTTCCTGGGCGAGGAGCGCAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001109615
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).

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:	<ol style="list-style-type: none">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:	<u>NM_001109615.1</u> , <u>NP_001103085.1</u>
RefSeq Size:	3691 bp
RefSeq ORF:	2217 bp
Locus ID:	690987
UniProt ID:	<u>A2RRU1</u>
Cytogenetics:	1q22
Gene Summary:	Transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan. [UniProtKB/Swiss-Prot Function]