

Product datasheet for **SC209682**

Glycogen synthase 2 (GYS2) (NM_021957) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Glycogen synthase 2 (GYS2) (NM_021957) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: GYS2
ACCN: NM_021957
Insert Size: 877 bp
Insert Sequence: >SC209682 3'UTR clone of NM_021957

The sequence shown below is from the reference sequence of NM_021957. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
AAAAAGCTGCATGGTGAATATAAGAACTGAATTCTACATGTGCTGCATGAAGAGCTAATTTAAAAAAGC
AAAGTAAGACTAATTATTTAAAAATAAAATGCCACAAATTTCAATTTCTCCTTCTAAGTATTACAATGG
AGTTTATCTCTGCCTAAAAAGTGAAGAAATTGAGTGAATGACAATTTTGTAAATTTAGGATAAGATCC
AAGTTATTTCCCAACTCTTGTTTCCCCCATAAAGTTAGGCATGAGGAGGAGCACTCATTAAAGGCAG
AAGACGGAAAAAGTGTTTTAAAAATGGTGAATTTAAGTGGTAAGGATTTTCTTACTCTGTTATTTTT
AAATGATCATCATAATCCTTTGCTTACTATTTATGCAGCTTCTACCCACCACACAAATTTCCCAT
TCCCCCGAAAACCTTGATCTTACCCATGAATGTGCACTACCTACATTTTTTAAATAGCTAGGTTTTT
ACTGATTATTTTCATTTTACATGCATCAGAACCATGATTTAGATGTAGTTTTGCAGAGACAAAAATC
CATGAGTGAATAGCTATCCTAAGTCCATATTTTGATGCATATTAATGGACATTTATGTCACCTTTGAAA
TCTAGAATTGATGTTGAATTAATGCAAGATATTACCATGTACATGGTACCACCATCTTACTGTAACAT
TTTTCTATTGTTTAAATAGAAAGCCTTTTTAAAAATTTGGTCAATCTTCATAGATGATAAAGTAAAT
CCAAGTAAATAAACACATTAATATTTAATAACTTAACTTTCACTGGTAATGCCTGTTTCTCATAGAT
GATAAGTTGTTAAATCCAAGTAAATAAACACATTAATATTGAATAACAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_021957.4
Summary:	The protein encoded by this gene, liver glycogen synthase, catalyzes the rate-limiting step in the synthesis of glycogen - the transfer of a glucose molecule from UDP-glucose to a terminal branch of the glycogen molecule. Mutations in this gene cause glycogen storage disease type 0 (GSD-0) - a rare type of early childhood fasting hypoglycemia with decreased liver glycogen content. [provided by RefSeq, Dec 2009]
Locus ID:	2998
MW:	34.4