

Product datasheet for **SC209071**

Glycogenin 1 (GYG1) (NM_004130) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Glycogenin 1
Synonyms:	GSDI5; GYG
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_004130
Insert Size:	2000 bp



Insert Sequence:

>SC209071 3'UTR clone of NM_004130

The sequence shown below is from the reference sequence of NM_004130. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
AAGAGGAACTTGACACTTACCTCCAGTAGAAACACTGCATTTTCTGTGAACACATCCACTTCACAAG
CCTTGTCTTCTGATACTTAGTATCTAGAGCTGGGTGAGAAAAGTCTGTACAGTTGCTAGAGGTTTTCA
TAAAACTTATCAGATGAGAGGCTTTTTAGGATAAGAGGTGAGAACTGGGCAAAAGTTGTGAAGCAGC
AATTCTGTTATATGGACAGTGTCTGCTTTTTAATCCTATTTAGCTTGTTCAGAAATTCCTACTTTTG
TTGACTGCCAACATACAAAGTAAGGGAACTCAAGATATTAAGATGGCTGTATCAGTTCTTAAAAATCTG
CAGAGCCTGGTTCAAAATCAGTCACTCCCTTCAGAAGCAGACATGGCATCTGTTCTTGTCTGTTGTT
GGTTGTGTACCTTTCACGAGACCTGAATTTAGAATTGCCAGTGTGCCAGAGTGAGTGAGTGAATT
CTCCTTTCAGGTAAGATAGGCTATCTCAACACTGCTGAGTGATTATAACATATCAACCAATAGCAT
TAACCCATTTTATTCCTGTCTTAGTGTCTGAAGATGCTCACCAGTTTCTGTGTACAGTAAGGCAGC
ATGCTAAAAATGCTTTTGTTCAGTTCTGTATATTGAAAATAGCAGTGTTCTCTGATGGTTACCTGCA
GTGGCACCCCTGTACAAAAATAAAAGACTATTGCTGTATCTTGGTTGTTAATTAAATTAAGGAATTT
CACCATACACCTTGAACAAATCTATTAGGGAATTTTCACAATTTTGGAAATTTGTATAGTTTAAAA
AAAGTGTAAGCTTGACATTGGGATATATGCTTTAAAAACTGGTATCTATGATTCAATCTAATTGTTT
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TGCACCTCTCTATTAAGTGGGTATTAGCTATTAGAATATTTAACCTTAAAGTCATTCTAACTGTC
AGAATCAATACTGGGTCCAGTCCCTACTAGTATTTATCTATGATTTAAATGATAGAATGGAAGCG
TATTTATTAATTTATAGATCATTCTAGGTTGTAAGAGATGGCAAGCTAAAGAAGGGTAGGATCCAAGA
TGACCTTTTAAACTAAATGAGTGGTCAGAAATGATTCTATGGAAGAAAACAGGACAGTTAACCATGA
CAGGAAGAACTTTAGAGGTTTGATTGGGCAAAAGCTGCAAAAGCTTTGTGACTTAGCCTTCAAAGTCA
CCCTCCTTATTCATATTGATGTGAATTAATATACAAGCATATAGACAGCTTAAGTCAAGAATGGTTGGG
GCCACCTTGAAGGCTGTTACCATAGGAGCTCAATAAGAACCTGAGGATTTACCTAGAATTATAAAATAT
TAAATGATAAATGACTTCTGAACTAGCTATTTGGACTGGTGAAGAATGAGTCGCTATTGATCTTCAAG
TACAATGAAGCATTACCAAAGATTTATTTAAGTGCCTCCATGTGTCAGATGCTGTGGTACAAGAAGG
ACTTCTCAAAATTTAGCTAGTCAGAGGCTTTCTGGCTCCGAGTCCCTGGTTAAGATGAACAGAAAC
ACAGTCTTCAGATATAAATGTCTTATTTTGTGGCCATTGAGTTGCATTCAACGTTAATTTTTCTAT
TTACTACCGTTCTATTCTATTTTTTACACAGTAGCATAACAAAGCTTAAGGTGGAAGAGCTGACATA
GTTTTAAATTTTTTTTTTTTTTTTTTTTTCTTGAGGCAGAGTCTTGCTCTGTGTCAGTCAGTCACCAGG
CTGGAGTGCAGTGGTGCAGTCTCGGCTCACTGCAACCTCTGCCTCTGGATTCAAGAGATTCTCTTACC
TCAGCCTCCTGAGTAGCTGGGACTACAGGCACGACCAACCAAGCCAGCTAAATTTTGTATTTTATG
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTCTATGAAAGG
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Restriction Sites:

Sgfl-MluI

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).

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.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_004130.4

Summary: This gene encodes a member of the glycogenin family. Glycogenin is a glycosyltransferase that catalyzes the formation of a short glucose polymer from uridine diphosphate glucose in an autoglucosylation reaction. This reaction is followed by elongation and branching of the polymer, catalyzed by glycogen synthase and branching enzyme, to form glycogen. This gene is expressed in muscle and other tissues. Mutations in this gene result in glycogen storage disease XV. This gene has pseudogenes on chromosomes 1, 8 and 13 respectively. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Sep 2010]

Locus ID: 2992

MW: 75.8