

Recombinant Full Length Human GYS2 Protein, GST-tagged

Cat. No. GYS2-3384HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GYS2 full-length ORF (ADR83307.1, 1 a.a. - 703 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	703 amino acids
Description	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]
Molecular Mass	77.4 kDa
AA Sequence	MLRGRSISVTSLGGLPQWEVEELPVEELLLFEVAWEVTNKKVGGIYTVIQTKAKTTAD EWGENYFLIGPYFEHNMKTQVEQCEPVNDARRAVDAMNKHGCGVHFGRWLIEGS PYVVLFDIGYSAWNLDNRWKDGLWEACSVGIPYHDREANDMLIFGSLTAWFLKEVTD HADGKYVVAQFHEWQAGIGLILSRARKLPATIFTTHATLLGRYLCAANIDFYNHLDKF NIDKEAGERQIYHRYCMERASVHCAHVFTTVSEITAIEAEHMLKRKPDVVTPNGLNV KKFSAVHEFQNLHAMYKARIQDFVRGHFYGHLDLDFLEKTLFLFIAGRYEFSNKGADIF LESLSRLNFLLRMHKSDITVVVFFIMPAKTNNFNVETLKGQAVRKQLWDVAHSVKEK FGKKLYDALLRGEIPDLNDILDRDDLTIMKRAIFSTQRQSLPPVTTHNMIDDSTDPIST

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IRRIGLFNNRTDRVKVILHPEFLSSTSPLLPMDYEEFVRGCHLGVFPSYYEPWGYTPA
ECTVMGIPSVTTNLSGFGCFMQEHVADPTAYGIYIVDRRFRSPDDSCNQLTKFLYGF
CKQSRQRRIQNRTERLSDLLDWRYLGRYYQHARHLTSLRAFPDKFHVLTSPPTT
EGFKYPRPSSVPPSPSGSQASSPQSSDVEDEVEDERYDEEEEAERDRLNIKSPFSL
SHVPHGKKKLHGEYKN

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GYS2 glycogen synthase 2 (liver) [Homo sapiens]

Official Symbol

GYS2

Synonyms

GYS2; glycogen synthase 2 (liver); glycogen [starch] synthase, liver;

Gene ID

2998

mRNA Refseq

NM_021957

Protein Refseq

NP_068776

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MIM	138571
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UniProt ID	P54840
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