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	MLRGRSISVTSLGGLPQWEVEELPVEELLLFEVAWEVTNKVGGIYTVIQTKAKTTAD EWGENYFLIGPYFEHNMKTQVEQCEPVNDAVRRAVDAMNKHGCQVHFGRWLIEGS PYVVLFDIGYSAWNLDRWKGDLWEACSVGIPYHDREANDMLIFGSLTAWFLKEVTD HADGKYVVAQFHEWQAGIGLILSRARKLPIATIFTTHATLLGRYLCAANIDFYNHLDKF NIDKEAGERQIYHRYCMERASVHCAHVFTTVSEITAIEAEHMLKRKPDVVTPNGLNV KKFSAVHEFQNLHAMYKARIQDFVRGHFYGHLDFDLEKTLFLFIAGRYEFSNKGADIF LESLSRLNFLLRMHKSDITVVVFFIMPAKTNNFNVETLKGQAVRKQLWDVAHSVKEK FGKKLYDALLRGEIPDLNDILDRDDLTIMKRAIFSTQRQSLPPVTTHNMIDDSTDPILST

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	IRRIGLFNNRTDRVKVILHPEFLSSTSPLLPMDYEEFVRGCHLGVFPSYYEPWGYTPA ECTVMGIPSVTTNLSGFGCFMQEHVADPTAYGIYIVDRRFRSPDDSCNQLTKFLYGF CKQSRRQRIIQRNRTERLSDLLDWRYLGRYYQHARHLTLSRAFPDKFHVELTSPPTT 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
UniProt ID	P54840

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