Recombinant Full Length Human GYS2 Protein, C-Flag-tagged

Cat. No. GYS2-660HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GYS2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	80.8 kDa
AA Sequence	MLRGRSLSVTSLGGLPQWEVEELPVEELLLFEVAWEVTNKVGGIYTVIQTKAKTTAD EWGENYFLIGPYF EHNMKTQVEQCEPVNDAVRRAVDAMNKHGCQVHFGRWLIEG SPYVVLFDIGYSAWNLDRWKGDLWEACSV GIPYHDREANDMLIFGSLTAWFLKEVT DHADGKYVVAQFHEWQAGIGLILSRARKLPIATIFTTHATLLG RYLCAANIDFYNHLD KFNIDKEAGERQIYHRYCMERASVHCAHVFTTVSEITAIEAEHMLKRKPDVVTPN GL NVKKFSAVHEFQNLHAMYKARIQDFVRGHFYGHLDFDLEKTLFLFIAGRYEFSNKGA DIFLESLSRLN FLLRMHKSDITVVVFFIMPAKTNNFNVETLKGQAVRKQLWDVAHSV KEKFGKKLYDALLRGEIPDLNDIL DRDDLTIMKRAIFSTQRQSLPPVTTHNMIDDSTD

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

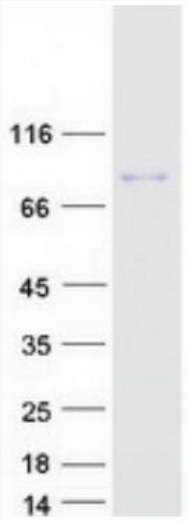
	PILSTIRRIGLFNNRTDRVKVILHPEFLSSTSPLLP MDYEEFVRGCHLGVFPSYYEPW GYTPAECTVMGIPSVTTNLSGFGCFMQEHVADPTAYGIYIVDRRFRSP DDSCNQLT KFLYGFCKQSRRQRIIQRNRTERLSDLLDWRYLGRYYQHARHLTLSRAFPDKFHVEL TSPPT TEGFKYPRPSSVPPSPSGSQASSPQSSDVEDEVEDERYDEEEEAERDRLNI KSPFSLSHVPHGKKKLHGE YKNTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Insulin signaling pathway, Starch and sucrose metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	GYS2 glycogen synthase 2 [Homo sapiens (human)]
Official Symbol	GYS2
Synonyms	glycogen synthase 2 (liver)

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	2998
mRNA Refseq	NM_021957.4
Protein Refseq	NP_068776.2
MIM	138571
UniProt ID	P54840



Coomassie blue staining of purified GYS2 protein.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA