

Product datasheet for **TP311375M**

Glycogen synthase 2 (GYS2) (NM_021957) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human glycogen synthase 2 (liver) (GYS2), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC211375 protein sequence

Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MLRGRSLSVTSLGGLPQWEVEELPVEELLLFEVAWEVTNKVGGIYTVIQTAKTTADEWGENYFLIGPYF
EHNMKTQVEQCEPVNDAVRRRAVDAMNKHGCGVHFGRWLIEGSPYVLFDIGYSAWNLDRWKGDLEACSV
GIPYHDREANDMLIFGSLTAWFLKEVTDHADGKYVVAQFHEWQAGIGLILSRARKLPATIFTTTHATLLG
RYLCAANIDFYNHLDKFNIDKEAGERQIYHRYCMERASVHCAHVFTTVEITAIEAEHMLKRKPDVWTPN
GLNVKKSFAVHEFQNLHAMYKARIQDFVRGHFYGHLDLDFLEKTLFLFIAGRYEFSNKGADIFLESLSRLN
FLLRMHKSDITVVFFIMPACTNNFNVETLKGQAVRKQLWDVAHSVKEKFGKKLYDALLRGEIPDLNDIL
DRDDLTIMKRAIFSTQRQSLPPVTTHNMIDDSTDPISTIRRIGLFNNRTDRVKVLHPEFLSSTSPLLP
MDYEEFVRGCHLGVFSPYEPWGYTPAECTVMGIPSVTTNLSGFGCFMQEHVADPTAYGIYVDRRFRSP
DDSCNQLTKFLYGFCKQSRQRRIQRNRTERLSDLLDWRYLGRYYQHARHLTISRFPDKFHVELTSPPT
TEGFKYPRPSSVPPSPSGSQASSPQSSDVEDEVEDERYDEEEEAERDRLNIKSPFSLSHVPHGKKKLHGE
YKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 80.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

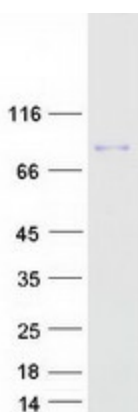
Storage: Store at -80°C.



[View online »](#)

Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_068776
Locus ID:	2998
UniProt ID:	P54840
RefSeq Size:	3132
Cytogenetics:	12p12.1
RefSeq ORF:	2109
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]
Protein Pathways:	Insulin signaling pathway, Starch and sucrose metabolism

Product images:



Coomassie blue staining of purified GYS2 protein (Cat# [TP311375]). The protein was produced from HEK293T cells transfected with GYS2 cDNA clone (Cat# [RC211375]) using MegaTran 2.0 (Cat# [TT210002]).