

Recombinant Human GYS1, MYC/DDK-tagged

Cat. No. GYS1-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GYS1, fused with C-terminal MYC/DDK, was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene catalyzes the addition of glucose monomers to the growing glycogen molecule through the formation of alpha-1,4-glycoside linkages. Mutations in this gene are associated with muscle glycogen storage disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	83.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	GYS1 glycogen synthase 1 (muscle) [Homo sapiens (human)]
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Official Symbol	GYS1
Synonyms	GYS1; GSY; GYS; glycogen synthase 1 (muscle); glycogen [starch] synthase, muscle; NP_001155059.1; EC 2.4.1.11; NP_002094.2
Gene ID	2997
mRNA Refseq	NM_002103
Protein Refseq	NP_002094
MIM	138570
UniProt ID	P13807
Chromosome Location	19q13.3
Pathway	Glucose metabolism; Insulin Signaling; Metabolism of carbohydrates
Function	glucose binding; glycogen (starch) synthase activity; glycogen synthase activity, transferring glucose-1-phosphate

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