

Human GYS1 Knockdown Cell Lysate

Cat. No. GYS1-193HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated GYS1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	84 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg GYS1 KD HeLa cell lysate
Protein Pathways	Insulin signaling pathway, Starch and sucrose metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	GYS1 glycogen synthase 1 (muscle) [Homo sapiens (human)]
Official Symbol	GYS1
Synonyms	GYS1; glycogen synthase 1 (muscle); GYS; glycogen [starch] synthase, muscle; GSY;
Gene ID	2997
mRNA Refseq	NM_001161587
Protein Refseq	NP_001155059
MIM	138570
UniProt ID	P13807

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