

Human GSS Knockdown Cell Lysate

Cat. No. GSS-190HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated GSS Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	Glutathione is important for a variety of biological functions, including protection of cells from oxidative damage by free radicals, detoxification of xenobiotics, and membrane transport. The protein encoded by this gene functions as a homodimer to catalyze the second step of glutathione biosynthesis, which is the ATP-dependent conversion of gamma-L-glutamyl-L-cysteine to glutathione. Defects in this gene are a cause of glutathione synthetase deficiency.
Form	Cell-Tissue Lysis buffer
Molecular Mass	52 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 GSS KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Glutathione metabolism, Metabolic pathways
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	GSS glutathione synthetase [Homo sapiens (human)]
Official Symbol	GSS
Synonyms	GSS; glutathione synthetase; GSH-S; GSH synthetase; glutathione synthase; GSHS; MGC14098;
Gene ID	2937
mRNA Refseq	NM_000178
Protein Refseq	NP_000169
MIM	601002
UniProt ID	P48637

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