

Human GLO1 Knockdown Cell Lysate

Cat. No. GLO1-346HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated GLO1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The enzyme encoded by this gene is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutathione. Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere.
Form	Cell-Tissue Lysis buffer
Molecular Mass	21 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
Shipping	Blue Ice

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Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg GLO1 KD HeLa cell lysate
Protein Pathways	Pyruvate metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	GLO1 glyoxalase I [Homo sapiens (human)]
Official Symbol	GLO1
Synonyms	GLO1; glyoxalase I; lactoylglutathione lyase; GLOD1; glyoxalase domain containing 1; glx I; aldoketomutase; methylglyoxalase; ketone-aldehyde mutase; lactoyl glutathione lyase; S-D-lactoylglutathione methylglyoxal lyase; GLYI;
Gene ID	2739
mRNA Refseq	NM_006708
Protein Refseq	NP_006699
MIM	138750
UniProt ID	Q04760

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