

## Human GLO1 Knockdown Cell Lysate

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated GLO1 Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p>The enzyme encoded by this gene is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutathione.</p> <p>Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere.</p>          |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 21 kDa                                                                                                                                                                                                                                                                                  |
| <b>Notes</b>            | <p>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.</p> |
| <b>Storage</b>          | Store at -20 centigrade for two years.                                                                                                                                                                                                                                                  |
| <b>Concentration</b>    | Lot-specific                                                                                                                                                                                                                                                                            |
| <b>Shipping</b>         | Blue Ice                                                                                                                                                                                                                                                                                |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Components</b>       | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg GLO1 KD HeLa cell lysate                                                                                                                                                     |
| <b>Protein Pathways</b> | Pyruvate metabolism                                                                                                                                                                                                                |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                                                                                                                                                                     |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                    |
| <b>Gene Name</b>        | GLO1 glyoxalase I [ Homo sapiens (human) ]                                                                                                                                                                                         |
| <b>Official Symbol</b>  | GLO1                                                                                                                                                                                                                               |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 2739                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_006708                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>   | NP_006699                                                                                                                                                                                                                          |
| <b>MIM</b>              | 138750                                                                                                                                                                                                                             |
| <b>UniProt ID</b>       | Q04760                                                                                                                                                                                                                             |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA