

Recombinant Full Length Human GLO1 Protein, GST-tagged

Cat. No. GLO1-5340HF Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Human GLO1 full-length ORF (AAH11365, 1 a.a. - 184 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 184 amino acids |
| 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. [provided by RefSeq] |
| Molecular Mass | 45.98 kDa |
| AA Sequence | MAEPQPPSGGLTDEAALS YCSDADPSTKDFLLQQTMLRVKDPKKS LDFYTRVLGMT LIQKCDFPIMKFSLYFLAYEDKNDIPKEKDEKIAWALSRKATLELTHNWGTEDETQS YHNGNSDPRGFGHIGIAVPDVYSACKRFEELGVKFKVKKPDDGKMKGLAFIQDPDG Y WIEILNPNKMATLM |
| Applications | Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array |

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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| Notes | Best use within three months from the date of receipt of this protein. |
| Storage | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

GENE INFORMATION

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| Gene Name | GLO1 glyoxalase I [Homo sapiens] |
| 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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