

Recombinant Full Length Human GLO1 Protein, GST-tagged

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

SPECIFICATION

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	MAEPQPPSGGLTDEAALSYCSDADPSTKDFLLQQTMLRVKDPKSLDFYTRVLGMT LIQKCDFPIMKFSLYFLAYEDKNDIPKEKDEKIAWALSRKATLELTHNWGTEDDETQS YHNGNSDPRGFGHIGIAVPDVYSACKRFEELGVKFVKKPDDGKMKGGLAFIQDPDGY WIEILNPNKMATLM
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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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

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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