

Recombinant Full Length Human GLO1 Protein, C-Flag-tagged

Cat. No. GLO1-1412HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GLO1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	20.6 kDa
AA Sequence	MAEPQPPSGGLTDEAALSYSADPSTKDFLLQQTMLRVKDPKSLDFYTRVLGMT LIQKCDFPIMKFSL YFLAYEDKNDIPKEKDEKIAWALSRKATLELTHNWGTEDDETQS YHNGNSDPRGFGHIGIAVPDVYSACK RFEELGVKFVKPKDDGKMKGLAFIQDPDGYWIEILNPNKMATLMTRTRPLEQKLISE EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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	handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Pyruvate metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	GLO1 glyoxalase I [Homo sapiens (human)]
Official Symbol	GLO1
Synonyms	GLYI; GLOD1; HEL-S-74
Gene ID	2739
mRNA Refseq	NM_006708.3
Protein Refseq	NP_006699.2
MIM	138750
UniProt ID	Q04760

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