Recombinant Human GLO1

Cat. No. GLO1-29068TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GLO1; amino acids 1-184 , 20.7kDa.
Species	Human
Source	E.coli
ProteinLength	1-184 a.a.
Description	The enzyme encoded by this gene is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutatione.Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MAEPQPPSGG LTDEAALSCC SDADPSTKDF LLQQTMLRVK DPKKSLDFYT RVLGMTLIQK CDFPIMKFSL YFLAYEDKND IPKEKDEKIA WALSRKATLE LTHNWGTEDD ETQSYHNGNS DPRGFGHIGI AVPDVYSACK RFEELGVKFV

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	KKPDDGKMKG LAFIQDPDGY WIEILNPNKM ATLM
Sequence Similarities	Belongs to the glyoxalase I family.
Full Length	Full L.

GENE INFORMATION

Gene Name	GLO1 glyoxalase I [Homo sapiens]
Official Symbol	GLO1
Synonyms	GLO1; glyoxalase I; lactoylglutathione lyase; GLOD1; glyoxalase domain containing 1;
Gene ID	2739
mRNA Refseq	NM_006708
Protein Refseq	NP_006699
MIM	138750
Uniprot ID	Q04760
Chromosome Location	6p21.3-p21.1
Pathway	Pyruvate metabolism, organism-specific biosystem; Pyruvate metabolism, conserved biosystem;

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Function	lactoylglutathione lyase activity; lyase activity; metal ion binding;

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