

Active Recombinant Mouse Glo1 Protein, His-tagged

Cat. No. Glo1-62M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Glo1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	Glo1, also known as lactoylglutathione lyase, is a member of the glyoxalase I family. It plays a critical role in the detoxification of 2-oxoaldehydes, such as methylglyoxal. It involved in the regulation of TNF-induced transcriptional activity of NF-kappa-B. It was identified as a protein marker, which is consistently expressed to a higher extent in LAB-M than in HAB-M mice in several brain areas.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Bio-activity	Specific activity is >210 units/mg, and is defined as the amount of enzyme that will form 1.0 μmol of S-lactoylglutathione from methylglyoxal and reduced glutathione per minute at pH 6.5 at 25 centigrade.
Molecular Mass	21.8kDa (192aa)28-40kDa (SDS-PAGE under reducing conditions)
AA Sequence	MAEPQPASSG LTDETAFFSCC SDPDPSTKDF LLQQTMLRIK DPKKSLDFYT RVLGLTLLQK LDFPAMKFSL YFLAYEDKND IPKDKSEKTAWTFSRKATLE LTHNWTGTEDD ETQSYHNGNS DPRGFGHIGI AVPDVYSACK RFEELGVKFFV KKPDDGKMKG LAFIQDPDGY WIEILNPNKIATIILEHHHH HH

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Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>95% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Glo1 glyoxylase 1 complex [Mus musculus]
Official Symbol	Glo1
Synonyms	GLO1; glyoxylase 1 complex; Glo-1;
Gene ID	14648
mRNA Refseq	
Protein Refseq	
MIM	
UniProt ID	

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