

## Glyoxalase-I Mouse Recombinant

<b>Item Number</b>	rAP-1143
<b>Synonyms</b>	Lactoylglutathione lyase, Aldoketomutase, Glyoxalase I, Glx I, Ketone-aldehyde mutase, Methylglyoxalase, S-D-lactoylglutathione methylglyoxal lyase.
<b>Description</b>	GLO1 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 192 amino acids (1-184a.a.) and having a molecular mass of 21.8kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).
<b>Uniprot Accession Number</b>	Q9CPU0
<b>Amino Acid Sequence</b>	MAEPQPASSG LTDETAFFSC SDPDPSTKDF LLQQTMLRIK DPKKSLDFYT RVLGLTLLQK LDFPAMKFSL YFLAYEDKND IPKDKSEKTA WTFSRKATLE LTHNWGTEDD ETQSYHNGNS DPRGFGHIGI AVPDVYSACK RFEELGVKFV KKPDDGKMKG LAFIQDPDGY WIEILNPNKI ATIILEHHHH HH.
<b>Source</b>	Sf9, Baculovirus cells.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks.&nbsp;Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	GLO1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	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 25C.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**