



Certificate of Analysis

GL01/Glyoxalase I Protein, Mouse (His)

Cat. No.: HY-P75162
Batch No.: 280726
Species: Mouse
Source: *E. coli*
Tag: N-6*His
Accession: Q9CPU0/NP_079650.3 (A2-I184)
Gene ID: 109801
Molecular Weight: Approximately 25&48 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to catalyze the formation of S-D-lactoylglutathione from the hemimercaptal adduct that forms spontaneously between methylglyoxal and reduced glutathione. The specific activity is 100.39 nmol/min/μg, as measured under the described conditions.	PASS
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

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