

## Product datasheet for **AR52069PU-S**

### Glyoxalase I / GLO1 (1-184, His-tag) Mouse Protein

#### Product data:

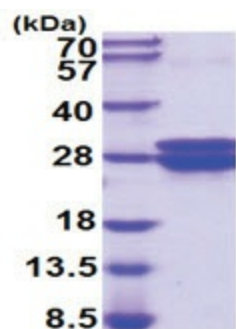
Product Type:	Recombinant Proteins
Description:	Glyoxalase I / GLO1 (1-184, His-tag) mouse protein, 10 µg
Species:	Mouse
Expression cDNA Clone or AA Sequence:	MAEPQPASSG LTDEAFSCC SDPDPSTKDF LLQQTMLRIK DPKKSLDFYT RVLGLTLLQK LDFPAMKFSL YFLAYEDKND IPKDKSEKTA WTSRKTLE LTHNWGTEDD ETQSYHNGNS DPRGFGHIGI AVPDVYSACK RFEELGVKFV KKPDDGKMKG LAFIQDPDGY WIEILNPNI ATIILEHHHH HH
Tag:	His-tag
Predicted MW:	21.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Bioactivity:	Specific: 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.
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001107032</a>
Locus ID:	109801
UniProt ID:	<a href="#">Q9CPU0</a> , <a href="#">A5GZX3</a>
Cytogenetics:	17 15.69 cM
Synonyms:	0610009E22Rik; 1110008E19Rik; 2510049H23Rik; AW550643; Glo-1; Glo-1r; Glo-1s; Glo1-r



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**Summary:**

Catalyzes the conversion of hemimercaptal, formed from methylglyoxal and glutathione, to S-lactoylglutathione. Involved in the regulation of TNF-induced transcriptional activity of NF-kappa-B. Required for normal osteoclastogenesis.[UniProtKB/Swiss-Prot Function]

**Product images:**

15% SDS-PAGE (3ug)