

## Product datasheet for TP501690

### Glo1 (NM\_025374) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glyoxalase 1 (Glo1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201690 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MAEPQPASSGLTDETAFCSCSDPDPSTKDFLLQQTMLRIKDPKKSLEDFYTRVLGLTLLQKLDFFAMKFSLYFLAYEDKNDIPKDKSEKTAWMFSRKATLELTHNWGTEDDETQSYHNGNSDPRGFGHIGIAVPDVYSACKRFEELGVKFKKPPDDGKMKGLAFIQDPDGYWIEILNPNKIATII
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	20.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_079650</a>
Locus ID:	109801
UniProt ID:	<a href="#">Q9CPU0</a> , <a href="#">A5GZX3</a>
RefSeq Size:	1958
Cytogenetics:	17 15.69 cM



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RefSeq ORF: 555

Synonyms: 0610009E22Rik; 1110008E19Rik; 2510049H23Rik; AW550643; Glo-1; Glo-1r; Glo-1s; Glo1-r

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]