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Product datasheet for TP303826M

GLO1 (NM_006708) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glyoxalase I (GLO1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203826 protein sequence Red=Cloning site Green=Tags(s) MAEPQPPSGGLTDEAALSYCSDADPSTKDFLLQQTMLRVKDPKKSLDFYTRVLGMTLIQKCDFPIMKFSL YFLAYEDKNDIPKEKDEKIAWALSRKATLELTHNWGTEDDETQSYHNGNSDPRGFGHIGIAVPDVYSACK RFEELGVKFVKKPDDGKMKGLAFIQDPDGYWIEILNPNKMATLM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	20.6 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	NP_006699
Locus ID:	2739
UniProt ID:	Q04760, X5DNM4
RefSeq Size:	2071

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Cytogenetics: 6p21.2

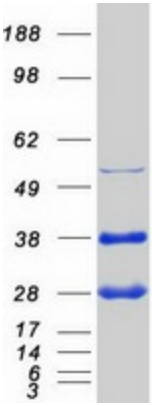
RefSeq ORF: 552

Synonyms: GLOD1; GLYI; HEL-S-74

Summary: The enzyme encoded by this gene is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutatione. Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere. [provided by RefSeq, Jul 2008]

Protein Pathways: Pyruvate metabolism

Product images:



Coomassie blue staining of purified GLO1 protein (Cat# [TP303826]). The protein was produced from HEK293T cells transfected with GLO1 cDNA clone (Cat# [RC203826]) using MegaTran 2.0 (Cat# [TT210002]).