

Product datasheet for **TP303826**

GLO1 (NM_006708) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human glyoxalase I (GLO1), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC203826 protein sequence
Red=Cloning site **Green**=Tags(s)

MAEPQPPSGGLTDEAALSZYCSADPSTKDFLLQQTMLRVKDPKKSLEDFYTRVLGMTLIQKCDFPIMKFSL
YFLAYEDKNDIPKEKDEKIAWALSRKATLELTHNWGTEDDETQSYHNGNSDPRGFGHIGIAVPDVYSACK
RFEELGVKFKPKDDGKMKGLAFIQPDGYSWIEILNPNKMATLM

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

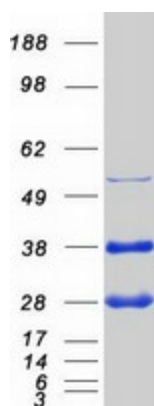
RefSeq ORF: 552

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 glutathione. 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]).