

Glo1, 1-184aa, Mouse, His tag, Baculovirus (Bioactivity Validated)

Cat.NO.: TP02254

3th Edition

Synonyms:Glyoxalase 1, Lactoylglutathione lyase, 0610009E22Rik, 1110008E19Rik, 2510049H23Rik, AW550643, Glo-1, Glo-1r, Glo-1s, Glo1-r, Glo1-s, GLY1, Qglo

Description:Glo1, also known as lactoylglutathione lyase, is a member of the glyoxalase I family. It plays a critical role in the detoxification of 2-oxoaldehydes, such as methylglyoxal. It involved in the regulation of TNF-induced transcriptional activity of NF-kappa-B. It was identified as a protein marker, which is consistently expressed to a higher extent in LAB-M than in HAB-M mice in several brain areas. Recombinant mouse Glo1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:21.8kDa (192aa), 28-40kDa (SDS-PAGE under reducing conditions)

Sequences:

MAEPQPASSGLTDETAFCSCSDPDPSTKDFLLQQTMLRIKDPKKSDFYTRVLGLTLLQKLDFFPAMKFSLYFLAYED
KNDIPKDKSEKTAWTFSRKATLELTHNWGTEDDETQSYHNGNSDPRGFGHIGIAVPDVYSACKRFEELGVKFKVKKP
DDGKMKGLAFIQDPDGYWIEILNPNKIATIILEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.