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GLO1, 1-184aa, Human, E.coli

产品货号: TP02253

第三版

别名: Glyoxalase I, Glx 1, GLO-1 Methylglyoxalase, Aldoketomutase

**描述:** Lactoylglutathione lyase, also known as GLO1, belongs to the glyoxalase family. Glyoxalase I is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutathione. This enzyme is ubiquitously expressed and is also present in many tumor cell lines, in which its concentration is often upregulated. Recombinant human GLO1 protein was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:** Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

**分子量:** 20.7 kDa (184 aa), confirmed by MALDI-TOF

**序列:**

ARPCIPKSFSGYSSVVCVGNATYCDSPPTFPALGTFSTRYESTRSGRMELSMGPIQANHTGTGLLLTLQPEQKFQKVKGF  
GAMTDAAALNILALSPPAQNLLLKSYFSEEGIGYNIIRVPMASCDFSIRTYTYADTPDDFQLHNFSLPEEDTKLKIPLIHRALQ  
LAQRPVSLASPWTSPTWLKTNGAVNGKGS�KGQPGDIYHQTWARYFVKFLDAYAEHKLQFWAVTAENEPSAGLLSGYP  
FQCLGFTPEHQDFIARDLGPTLANSTHHNVRLMLDDQRLLPHWAKVVLTDPAAKYVHGIAVHWYLDLAPAKAT  
LGETHRLFPNTMLFAEACVGSKFWEQSVRLGSDRGMQYSHSIITNLLYHVVGWTDWNLALNPEGGPNWVRNFVDSP  
IIVDITKDTFYKQPMFYHLGHFSKFIPEGSQRVGLVASQKNDLDAVALMHPDGSAVVVVLNRSSKDVPLTIKDPVAVGFLET  
ISPGYSIHTYLWRRQHHHHHH

**纯度:** > 95% by HPLC

**浓度:** 1 mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.