

Glyoxalase-I Human Recombinant

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| Item Number | rAP-1142 |
| Synonyms | GLYI, GLOD1, GLO1, Glyoxalase-1, Lactoylglutathione lyase, Methylglyoxalase, Aldoketomutase, Ketone-aldehyde mutase, Glyoxalase I, S-D-lactoylglutathione methylglyoxal lyase, Glx I. |
| Description | Glyoxalase-I Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 184 amino acids and having a molecular mass of 20.7 kDa. Glyoxalase-1 is purified by proprietary chromatographic techniques. |
| Uniprot Accesion Number | Q04760 |
| Amino Acid Sequence | MAEPQPPSGG LTDEAALSCC SDADPSTKDF LLQQTMLRVK DPKKSLDFYT RVLGMLIQQ CDFPIM-KFSL YFLAYEDKND IPKEKDEKIAWALSRKATLE LTHNWGTEDD ETQSYHNGNS DPRGFHIGI AV-PDVYSACK RFEELGVKFV KKPDDGKMKKG LAFIQDPDGY WIEILNPNKM ATLM. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| Formulation and Purity | Glyoxalase-1 solution containing 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE. |
| Application | |
| Solubility | |
| Biological Activity | |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**