



Recombinant Escherichia coli Glyoxylate carboligase (gcl)

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| Product Code | CSB-EP360143ENV |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | P0AEP7 |
| Product Type | Recombinant Protein |
| Immunogen Species | Escherichia coli (strain K12) |
| Purity | >85% (SDS-PAGE) |
| Sequence | AKMRAVDAA MYVLEKEGIT TAFGVPGAAI NPFYSAMRKH GGIRHILARH VEGASHMAEG YTRATAGNIG VCLGTSGPAG TDMITALYSA SADSIPILCI TGQAPRARLH KEDFQAVDIE AIAKPVSKMA VTVREAALVP RVLQQAFHLM RSGRPGPVLV DLPFDVQVAE IEFDPDMYEP LPVYKPAASR MQIEKAVEML IQAERPVIVA GGGVINADAA ALLQQFAELT SVPVIPTLMG WGCIPDDHEL MAGMVGLQTA HRYGNATLLA SDMVF GIGNR FANRHTGSVE KYTEGRKIVH IDIEPTQIGR VLCPDLGIVS DAKAAL TLLV EVAQEMQKAG RLPCRKEWVA DCQQRKRTLL RKTHFDNVPV KPQRVYEEMN KAFGRDVCYV TTIGLSQIAA AQMLHVF KDR HWINCGQAGP LGWTIPAALG VCAADPKRNV VAISGDFDFQ FLIEELAVGA QFNIPYIHVL VNNAYLGLIR QSQRAFDMDY CVQLAFENIN SSEVNGYGVD HVKVAEGLGC KAIRVFKPED IAPAFEQAKA LMAQYRVPV VEVILERV TN ISMGSELDNV MEFEDIADNA ADAPTETCFM HYE |
| Source | E.coli |
| Target Names | gcl |
| Protein Names | Recommended name: Glyoxylate carboligase EC= 4.1.1.47 Alternative name(s): Tartronate-semialdehyde synthase |
| Expression Region | 2-593 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. |



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