



# Recombinant Glycerol kinase (glpK)

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| <b>Product Code</b>      | CSB-YP811247EGX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Abbreviation</b>      | glpK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.                                                                                                                                                                                                                                                                                                                     |
| <b>Uniprot No.</b>       | Q8FBC3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen Species</b> | Escherichia coli O6:H1 (strain CFT073 / ATCC 700928 / UPEC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sequence</b>          | TEKKYIVAL DQGTSSRAV VMDHDANIIS VSQREFEQIY PKPGWVEHDP<br>MEIWATQSST LVEVLAKADI SSDQIAAIGI TNQRETTIVW EKETGKPIYN<br>AIVWQCRRTA EICEHLKRDG MEEYIRNNTG LVIDPYFSGT KVKWILDHVE<br>GSRERARRGE LLFGTVDTWL IWKMTQGRVH VTDYTNASRT MLFNIHSLDW<br>DDKMLEVLDI PREMLPEVRR SSEVYGQTNi GGKGGTRIPi SGIAGDQQAA<br>LFGQLCVKEG MAKNTYGTGC FMLMNTGEKA VKSENGLLTT IACGPTGEVN<br>YALEGAVFMA GASIQWLRDE MKLINDAYDS EYFATKVQNT NGVYVVPAPT<br>GLGAPYWDPIY ARGAIIFGLTR GVNANHIIRA TLESIAYQTR DVLEAMQADS<br>GIRLHALRVD GGAVANNFLM QFQSDILGTR VERPEVREVT ALGAAYLAGL<br>AVGFWQNLDE LQEKAVIERE FRPGIETTER NYRYAGWKKA VKRAMAWEEH<br>DE |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Target Names</b>      | glpK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Names</b>     | Recommended name: Glycerol kinase EC= 2.7.1.30 Alternative name(s):<br>ATP:glycerol 3-phosphotransferase Glycerokinase Short name= GK                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Expression Region</b> | 2-502                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reconstitution</b>    | 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.                                                                                                                                                                                            |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life                                                                                                                                                                                                                                                                                                                                                                      |



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