



# Recombinant Bovine Phosphoglycerate kinase 1 (PGK1)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP017856BO-B  |
| <b>Abbreviation</b>      | PGK1  |
| <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>       | Q3T0P6  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Bos taurus (Bovine)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | SLSNKLTL D KLDVKGKRVV MRVDFNVPMK NNQITNNQRI KAAVPSIKYC<br>LDSGAKSVVL MSHLGRPDGV PMPDKYSLQP VAVELKSLLG KDVLFLKDCV<br>GPEVEKACAD PAAGSVILLE NLRFHVEEEG KGKDASGNKV KAEPTKIEAF<br>RASLSKLGDV YVNDAFGTAH RAHSSMVGVN LPKKAGGFLM KKELNYFAKA<br>LESPERPFLA ILGGAKVADK IQLISNMLDK VNEMIIGGGM AFTFLKVLNN<br>MEIGTSLFDE EGSKIVKDL M SKADKNGVKI TLPVDFVTAD KFDENAKTGQ<br>ATVASGIPAG WMGLDCGPES SKKYAEAVAR AKQIVWNGPV GVFEWEAFAR<br>GTKALMDEVV KATSRGCITI IGGGDTATCC AKWNTEDKVS HVSTGGGASL<br>ELLEGKVLPG VDALSSV |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | PGK1  |
| <b>Protein Names</b>     | Recommended name: Phosphoglycerate kinase 1 EC= 2.7.2.3   |
| <b>Expression Region</b> | 2-417   |
| <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>Target Details</b>    | This protein is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. The encoded protein may also act as a cofactor for polymerase alpha. This gene lies on the X-chromosome, while a related pseudogene also has been found on the X-chromosome and another on chromosome 19.  |
| <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.

### Shelf Life

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