



# Recombinant Escherichia coli Glucose-6-phosphate isomerase (pgi)

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| <b>Product Code</b>      | CSB-MP009717ENW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Uniprot No.</b>       | B6I5N7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen Species</b> | Escherichia coli (strain SE11)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sequence</b>          | MKNINPTQTA AWQALQKHFD EMKDVTIADL FAKDGDRFSK FSATFGDQML<br>VDYSKNRITE ETLAKLQDLA KECDLAIAIK SMFSGEKINR TENRAVLHVA<br>LRNRSNTPIL VDGKDVMEV NAVLEKMKTF SEAIISGEWK GYTGKAITDV<br>VNIGIGGSDL GPYMVTEALR PYKNHLMHF VSNVDGTHIA EVLKKVNPET<br>TLFLVASKTF TTQETMTNAH SARDWFLKAA GDEKHAVKHF AALSTNAKAV<br>GEFGIDTANM FEFWDWVGGR YSLWSAIGLS IVLSIGFDNF VELLSGAHAM<br>DKHFSTTPAE KNLPVLLALI GIWYNNFFGA ETEAILPYDQ YMHRFAAYFQ<br>QGNMESNGKY VDRNGNVVDY QTGP IIWGEPTGTNGQHAFYQ LIHQGTKMVP<br>CDFIAPAITH NPLSDHHQKL LSNFFAQTEA LAFGKSREVV EQEYRDQGKD<br>PATLDYVVPF KVFEGNRPTN SILLREITPF SLGALIALYE HKIFTQGVL<br>NIFTFDQWGV ELGKQLANRI LPELKDGKEI SSHDSSTNGL INRYKAWRG |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Target Names</b>      | pgi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Names</b>     | Recommended name: Glucose-6-phosphate isomerase Short name= GPI EC= 5.3.1.9 Alternative name(s): Phosphoglucose isomerase Short name= PGI Phosphohexose isomerase Short name= PHI                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Expression Region</b> | 1-549                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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 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. 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.                                                                                                                                                                                                                                                                                                                                                                         |