



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

<b>Product Code</b>	CSB-EP009717ENT-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	B1XC24
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12 / DH10B)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MKNINPTQTA AWQALQKHFD EMKDVTIADL FAKDGDRFSK FSATFDDQML VDYSKNRITE ETLAKLQDLA KECDLAIAIK SMFSGEKINR TENRAVLHVA LRNRSNTPIL VDGKDVMEV NAVLEKMKTF SEAIISGEWK GYTGKAITDV VNIGIGGSDL GPYMVTEALR PYKNHLMHF VSNVDGTHIA EVLKKVNPET TLFLVASKTF TTQETMTNAH SARDWFLKAA GDEKHAVKHF AALSTNAKAV GEFGIDTANM FEFWDWVGGR YSLWSAIGLS IVLSIGFDNF VELLSGAHAM DKHFSTTPAE KNLPVLLALI GIWYNNFFGA ETEAILPYDQ YMHRFAAYFQ QGNMESNGKY VDRNGNVVDY QTGP IIWGEPTGTNGQHAFYQ LIHQGTKMVP CDFIAPAITH NPLSDHHQKL LSNFFAQTEA LAFGKSREVV EQEYRDQGKD PATLDYVVPF KVFEGNRPTN SILLREITPF SLGALIALYE HKIFTQGVIL NIFTFDQWGV ELGKQLANRI LPELKDDKEI SSHDSSTNGL INRYKAWRG
<b>Source</b>	E.coli
<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.