

PHOSPHOGLUCOSE ISOMERASE (*Escherichia coli*)

08/23

Recombinant**E-PGIEC-50KU**

EC: 5.3.1.9

Synonyms: glucose-6-phosphate isomerase; D-glucose-6-phosphate aldose-ketose-isomerase**CAS:** 9001-41-6**Refer to the product lot number Certificate of Analysis for lot specific properties.****PROPERTIES****1. ELECTROPHORETIC PURITY:**

- Single band on SDS-gel electrophoresis (MW = 62,595)
- Single major band on isoelectric focusing (pI ~ 6.0); several minor bands pI 5.3-5.5

2. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 7.6 and up to 40°C.

3. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension and should be stored at 4°C. For assay, this enzyme should be diluted in 100 mM Tris.HCl buffer, pH 7.6 containing 5 mM MgCl₂ and 0.5 mg/mL BSA. **Swirl to mix the enzyme suspension immediately prior to use.** For the measurement of D-fructose 6-phosphate, refer to the **Fructose/Glucose Assay Kit booklet at www.megazyme.com.**