

Bioactive

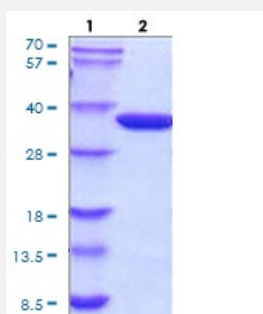
Full-Length

## glk (*Escherichia coli*) Recombinant Protein

Catalog # P7955

Size 100 ug

### Applications



### Specification

#### Product Description

E.coli glk (P0A6V8, 1 a.a. - 321 a.a.) full length recombinant protein with His tag expressed in *Escherichia coli*.

#### Sequence

MTKYALVGDVGGTNARLALCDIASGEISQAKTYSGLDYPSEAVIRVYLEEHKVEVKDGCIAACPIT  
GDWVAMTNHTWAFSIAEMKKNLGFSHLEIINDFTAVSMAIPMLKKEHLIQFGGAEPVEGKPIAVYG  
AGTGLGVAHLVHVDKRWVSLPGEGGHVDFAPNSEEEAILEILRAEIGHVSAERVLSGPGLVNLRYR  
ANKADNRLPENLKPKDITERALADSCDCRRALSLFCVIMGRFGGNLALNLGTFGGVFIAGGMVPR  
FLEFFKASGFRAAFEDKGRFKEYVHDIPVYLMVDNPGLLGSGAHLRQTLGHIL

#### Host

Escherichia coli

#### Theoretical MW (kDa)

37.1

#### Form

Liquid

#### Preparation Method

*Escherichia coli* expression system

#### Purity

> 95% by SDS-PAGE

#### Activity

Specific activity is > 70 unit/mg, and was obtained by measuring the increase of NADPH in absorbance at 340 nm resulting from the reduction of NADP. One unit will oxidize 1.0 umole of Glucose to D-glucose 6-phosphate per minute in the presence of Beta-NADP at pH 9.0 at 37°C.

#### Quality Control Testing

3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.

**Storage Buffer**

In 20mM Tris-HCl pH 8.0 (10% glycerol, 0.15 M NaCl)

**Storage Instruction**

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — glk

**Entrez GeneID**[946858](#)**Protein Accession#**[P0A6V8](#)**Gene Name**

glk

**Gene Alias**

ECK2384, JW2385

**Gene Description**

glucokinase

**Gene Ontology**[Hyperlink](#)**Other Designations**

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