

Recombinant e.coli glk protein

Catalog Number: ATGP2810

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-321aa

UniProt No.

P0A6V8

NCBI Accession No.

NP_416889

Alternative Names

Glucokinase, ECK2384, JW2385

PRODUCT SPECIFICATION

Molecular Weight

37.1 kDa (344aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

glk belongs to the bacterial glucokinase family. This protein is not highly important in E. coli as glucose is transported into the cell by the PTS system already as glucose 6-phosphate. Recombinant E. coli glk protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMTKYALV GDVGGTNARL ALCDIASGEI SQAKTYSGLD YPSLEAVIRV YLEEHKVEVK

Recombinant e.coli glk protein

Catalog Number: ATGP2810

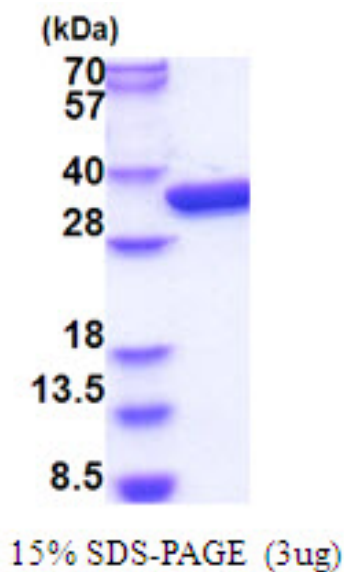
DGCIAIACPI TGDWVAMTNH TWAFSIAEMK KNLGFSHLEI INDFTAVSMA IPMLKKEHLI QFGGAEPVEG KPIAVYGAGT
GLGVAHLVHV DKRWVSLPGE GGHVDFAPNS EEEAIILEIL RAEIGHVSAE RVLSGPGLVN LYRAIVKADN RLPENLKPKD
ITERALADSC TDCRRALSLF CVIMGRFGGN LALNLGTFGG VFIAGGIVPR FLEFFKASGF RAAFEDKGRF KEYVHDIPVY
LIVHDNPGLL GSGAHLRQTL GHIL

General References

Kawai S, Mukai T, et al. (2005) J. Biosci. Bioeng. 99 (4): 320-30.

DATA

SDS-PAGE



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