

**AR51630PU-S****glk (1-321, His-tag) - Purified****Alternate names:**

ECK2384, Glucokinase, JW2385

**Quantity:**

0.1 mg

**Concentration:**

1.0 mg/ml (determined by Bradford assay)

**Background:**

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.

**Uniprot ID:**[P0A6V8](#)**NCBI:**[NP\\_416889](#)**GeneID:**[946858](#)**Source:**

E. coli

**Format:****State:** Liquid purified protein**Purity:** >95% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol**Description:**

Recombinant E.coli glk protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**AA Sequence:**

MGSSHHHHH SSGLVPRGSH MGSMTKYALV GDVGGTNARL ALCDIASGEI SQAKTYSGLD  
YPSLEAVIRV YLEEHKVEVK DGCIAIACPI TGDWVAMTNH TWAFSIAEMK KNLGFSHLEI  
INDFTAVSMA IPMLKKEHLI QFGGAEPVEG KPIAVYGAGT GLGVAHLVHV DKRWVSLPGE  
GGHVDFAPNS EEEAIILEIL RAEIGHVSAE RVLSGPGLVN LYRAIVKADN RLPENLKPDK  
ITERALADSC TDCRRALSLF CVIMGRFSGN LALNLGTFGG VFIAGGIVPR FLEFFKASGF  
RAAFEDKGRF KEYVHDIPVY LIVHDNPGLL GSGAHLRQTL GHIL

**Molecular weight:** 37.1 kDa (344aa) confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**General Readings:**

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

**Pictures:**