

Product datasheet for AR51988PU-N

Glk (1-321, His-tag) Escherichia coli Protein

Product data:

Product Type: Recombinant Proteins

Description: Glk (1-321, His-tag) e. coli protein, 0.1 mg

Species: Escherichia coli

Expression Host: F. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MGSMTKYALV GDVGGTNARL ALCDIASGEI SQAKTYSGLD

or AA Sequence: YPSLEAVIRV YLEEHKVEVK DGCIAIACPI TGDWVAMTNH TWAFSIAEMK KNLGFSHLEI INDFTAVSMA

IPMLKKEHLI OFGGAEPVEG KPIAVYGAGT GLGVAHLVHV DKRWVSLPGE GGHVDFAPNS

EEEAIILEIL RAEIGHVSAE RVLSGPGLVN LYRAIVKADN RLPENLKPKD ITERALADSC TDCRRALSLF CVIMGREGGN LALNLGTEGG VEIAGGIVPR FLEFFKASGE RAAFEDKGRE KEYVHDIPVY LIVHDNPGLL

GSGAHLRQTL GHIL

Tag: His-tag Predicted MW: 37.1 kDa Concentration: lot specific

Purity: >95% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol.

Bioactivity: Specific: Specific activity is > 70 units/mg 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

37C.

Preparation: Liquid purified protein

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Storage:

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Summary: glk belongs to the bacterial glucokise 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. Recombint E.coli glk protein, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventiol chromatography techniques.



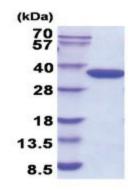
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Product images:



15% SDS-PAGE (3ug)