

Datasheet for ABIN5623657
GCK Protein (AA 1-321) (His tag)



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Overview

Quantity:	20 µg
Target:	GCK
Protein Characteristics:	AA 1-321
Origin:	E. coli
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GCK protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	1-321 aa: MGSSHHHHHH SSSLVPRGSH MGSMTKYALV GDVGGTNARL ALCDIASGEI SQAKTYSGLD YPSLEAVIRV YLEEHKVEVK DGCIAIACPI TGDWVAMTNH TWAFSIAEMK KNLGFSLHEI INDFTAVSMA IPMLKKEHLI QFGGAEPVEG KPIAVYGAGT GLGVAHLVHV DKRWVSLPGE GGHVDFAPNS EEEAIILEIL RAEIGHVSAE RVLSGPGLVN LYRAIVKADN RLPENLKPKD ITERALADSC TDCRRALSLF CVIMGRFGGN LALNLGTFGG VFIAGGIVPR FLEFFKASGF RAAFEDKGRF KEYVHDIPVY LIVHDNPGLL GSGAHLRQTL GHIL
Characteristics:	Purified Recombinant Glucokinase protein (His tagged)
Purification:	Purified
Purity:	> 95 % pure
Biological Activity Comment:	Specific activity is > 70 units/mg obtained by measuring the increase of NADPH in absorbance

Product Details

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.

Target Details

Target:	GCK
Alternative Name:	Glucokinase (GCK Products)
Pathways:	MAPK Signaling , Positive Regulation of Peptide Hormone Secretion , Carbohydrate Homeostasis , Cellular Glucan Metabolic Process , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied in liquid form in 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10 % glycerol.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 deg C short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70 deg C. Avoid repeated freezing and thawing cycles.