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Datasheet for ABIN7505499

GCK Protein (AA 1-147) (His tag)

Overview

Quantity:	100 µg
Target:	GCK
Protein Characteristics:	AA 1-147
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GCK protein is labelled with His tag.

Product Details

Sequence:	Met 1-Gly 147
Characteristics:	A DNA sequence encoding the Rat GCK protein (P17712) (Met 1-Gly 147) was expressed with a N-His tag.
Purity:	>95 % as determined by reducing SDS-PAGE.

Target Details

Target:	GCK
Alternative Name:	GCK (GCK Products)
Background:	<p>Background: Hexokinases phosphorylate hexose to form hexose 6-phosphate, the first step for hexose metabolism. There are four mammalian hexokinases (I, II, III and IV) and hexokinase IV is commonly known as glucose kinase (GCK). Unlike hexokinase I, II and III, whi</p> <p>Synonym: GCK,Glucokinase,Hexokinase-4,Hexokinase 4</p>

Target Details

Molecular Weight:	16.06 kDa
UniProt:	P17712
Pathways:	MAPK Signaling , Positive Regulation of Peptide Hormone Secretion , Carbohydrate Homeostasis , Cellular Glucan Metabolic Process , Regulation of Carbohydrate Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months