

Recombinant Human PHKG2 (N-GST tag)

Cat No:HR2R1849

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PHKG2
Gene ID	N/A
Accession	NM_000294
Alternative Name	GSD9C
Species	Human
Source	Insect cells
Description	PHKG2 is the hepatic and testis isoform of the gamma subunit of phosphorylase kinase. PHKG2 gene contains 10 exons and spans 9.5 kb and maps to chromosome 16p12.1-p11.2 . Deficiency of PHK, a regulatory enzyme of glycogen metabolism, is responsible for 25% of all cases of glycogen storage disease and is genetically and clinically heterogeneous. Mutations in the PHKG2 gene lead to autosomal liver-specific PHK deficiency (glycogen storage disease IXc) and an increased risk of cirrhosis and at least 11 PHKG2 mutations have been identified to date .?
Functions	The specific activity of PHKG2 was determined to be 70 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	70
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.