Recombinant Human PHKG2, GST-tagged, Active

Cat. No. PHKG2-388H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length PHKG2 was expressed by baculovirus in*Sf9 cell*susing an N-terminal GST tag. MW=70kDa.
Species	Human
Source	Sf9 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.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	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.

GENE INFORMATION

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Gene Name	PHKG2 phosphorylase kinase, gamma 2 (testis) [Homo sapiens]
Synonyms	PHKG2; phosphorylase kinase, gamma 2 (testis); GSD9C; Phosphorylase b kinase gamma catalytic chain, testis/liver isoform; PHK-gamma-T; EC 2.7.11.19; Phosphorylase kinase subunit gamma 2; PSK-C3
Gene ID	5261
mRNA Refseq	NM_000294
Protein Refseq	NP_000285
UniProt ID	P15735
Chromosome Location	16p11.2
MIM	172471
Pathway	Calcium signaling pathway; Insulin signaling pathway; Metabolism of carbohydrates
Function	ATP binding; nucleotide binding; protein binding; transferase activity; calmodulin binding; enzyme binding; sphorylase kinase activity; protein serine/threonine kinase activity

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