

PHKG2 recombinant protein

PHKG2, Active

CATALOG # AAA73808	HOST Sf9 insect cells	APPLICATIONS Kinase Assay
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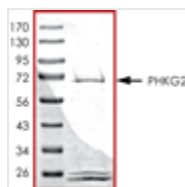
PRODUCT SYNONYMS

PHKG2; Active; GSD9C; PHKG2 recombinant protein

PRODUCT SPECIFICATIONS

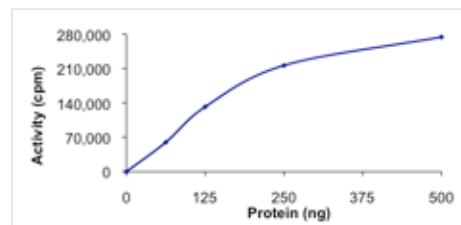
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PHKG2 recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PHKG2 recombinant protein	Recombinant full-length human PHKG2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_000294. 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 (1). 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 (2).
Product Categories/Family for PHKG2 recombinant protein	Protein Kinases; Metabolic Disorder; Ser/Thr Kinases

References

1. Burwinkel B, et al: Liver glycogenosis due to phosphorylase kinase deficiency: PHKG2 gene structure and mutations associated with cirrhosis. Hum. Molec. Genet. 7: 149-154, 1998.
2. Maichele A J, et al: Mutations in the testis/liver isoform of the phosphorylase kinase gamma subunit (PHKG2) cause autosomal liver glycogenosis in the gsd rat and in humans. Nature Genet. 14: 337-340, 1996

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_000294](#)

Molecular Weight

~70kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/phkg2-recombinant-protein-sf9-insect-cells-kinase-assay/73808>