

PHKG1 recombinant protein

PHKG1, Active

CATALOG # AAA73807	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PHKG1; Active; PHKG; PHKG1 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 PHKG1 recombinant protein	WB (Western Blot), 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 PHKG1 recombinant protein	Recombinant full-length human PHKG1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_006213. PHKG1 or phosphorylase kinase gamma 1 is a member of the Ser/Thr protein kinase family that encodes a protein with one protein kinase domain and two calmodulin-binding domains. Phosphorylase kinase is a crucial glycogenolytic regulatory enzyme (1). PHKG1 is the catalytic member of a 16-subunit protein kinase complex that contains equimolar ratios of 4 subunit types known as alpha, beta, gamma and delta (2). Skeletal muscle contains the highest amount of phosphorylase kinase enzymatic activity, although activity is also observed in liver, cardiac muscle, brain, and several other tissues.
Product Categories/Family for PHKG1 recombinant protein	Protein Kinases ; Metabolic Disorder ; Ser/Thr Kinases
References	1. Burwinkel, B. et.al: Muscle glycogenosis with low phosphorylase kinase activity: mutations in PHKA1, PHKG1 or six other candidate genes explain only a minority of cases. <i>Europ. J. Hum. Gen.</i> 11: 516-526, 2003. 2. Wehner, M. et.al: Human cDNA encoding the muscle isoform of the phosphorylase kinase gamma subunit (PHKG1).

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_006213
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/phkg1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73807>