

Recombinant human PHKG2 protein ab89857

5 Images

Description

Product name	Recombinant human PHKG2 protein
Biological activity	The specific activity of ab89857 was determined to be 70 nmol/min/mg.
Purity	> 70 % Densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab89857** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Liquid
Additional notes	ab204885 (ZIP Kinase peptide substrate) can be utilized as a substrate for assessing kinase activity

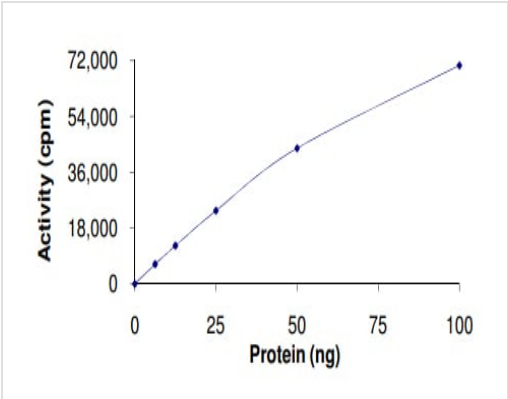
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

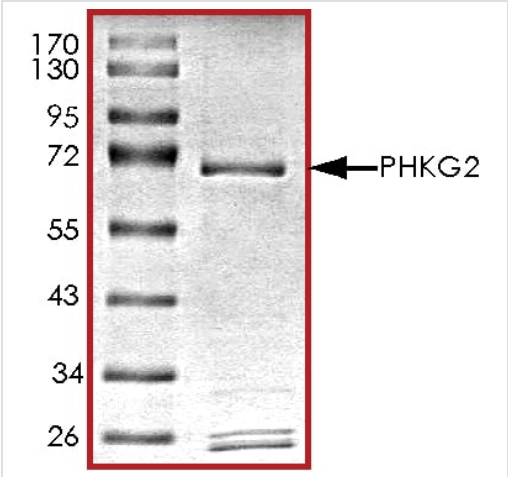
Relevance	Mutations in PHKG2 along with PHKA2 and PHKB, all three different genes of phosphorylase kinase (Phk) subunits, can give rise to glycogen storage disease of the liver. The autosomal-recessive, liver-specific variant of Phk deficiency is caused by mutations in the gene encoding the testis/liver isoform of the catalytic gamma subunit, PHKG2.
Cellular localization	Cytoplasmic

Images



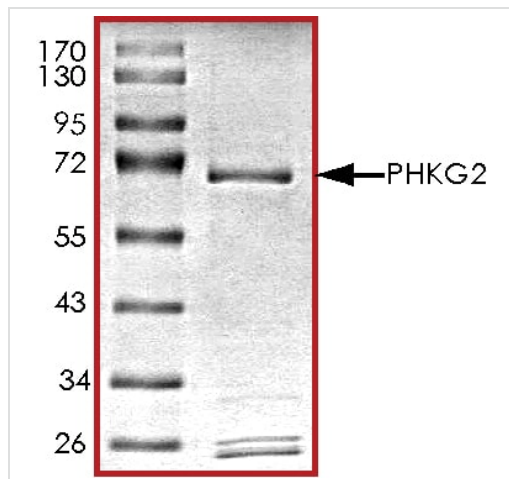
The specific activity of PHKG2 (ab89857) was determined to be 78 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human PHKG2 protein (ab89857)



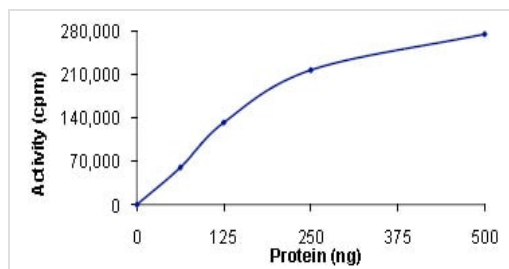
SDS PAGE analysis of ab89857

SDS-PAGE - Recombinant human PHKG2 protein (ab89857)



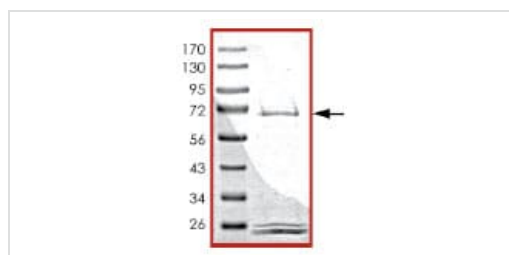
SDS PAGE analysis of ab89857

SDS-PAGE - Recombinant human PHKG2 protein
(ab89857)



Kinase Assay demonstrating specific activity of ab89857

Functional Studies - Recombinant human PHKG2
protein (ab89857)



SDS-PAGE showing ab89857 at approximately 70kDa

SDS-PAGE - Recombinant human PHKG2 protein
(ab89857)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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