abcam

Product datasheet

Recombinant human PHKG1 protein ab101715

4 图像

描述

产品名称	重组人PHKG1蛋白
生物活性	The specific activity of PHKG1 was determined to be 29 nmol/min/mg.
纯度	> 75 % SDS-PAGE. Affinity purified.
表达系统	Baculovirus infected insect cells
Accession	Q16816
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MTRDEALPDSHSAQDFYENYEPKEILGRGVSSVVRRCIHKPTSQEYAVKV IDVTGGGSFSPEEVRELREATLKEVDILRKVSGHPNIIQLKDTYETNTFF FLVFDLMKRGELFDYLTEKVTLSEKETRKIMRALLEVICTLHKLNIVHRD LKPENILLDDNMNIKLTDFGFSCQLEPGERLREVCGTPSYLAPEIIECSM NEDHPGYGKEVDMWSTGVIMYTLLAGSPPFWHRKQMLMLRMIMSGNYQFG SPEWDDYSDTVKDLVSRFLVVQPQNRYTAEEALAHPFFQQYLVEEVRHFS PRGKFKVIALTVLASVRIYYQYRRVKPVTREIVIRDPYALRPLRRLIDAY AFRIYGHWVKKGQQQNRAALFENTPKAVLLSLAEEDY
预测分子量	70 kDa including tags
氨基酸	1 to 387

技术指标

Our **Abpromise guarantee** covers the use of **ab101715** in the following tested applications.

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

应用	SDS-PAGE Functional Studies
形式	Liquid
补充说明	**ab204885** (ZIP Kinase peptide substrate) can be utilized as a substrate for assessing kinase activity

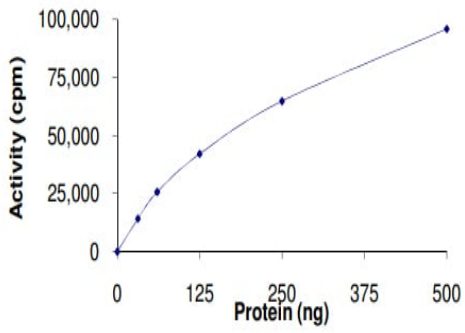
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.307% Glutathione, 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.

常规信息

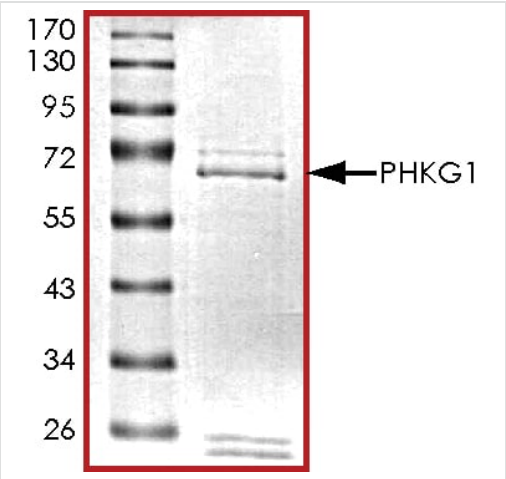
功能	Catalytic subunit of the phosphorylase b kinase (PHK), which mediates the neural and hormonal regulation of glycogen breakdown (glycogenolysis) by phosphorylating and thereby activating glycogen phosphorylase. In vitro, phosphorylates PYGM, TNNI3, MAPT/TAU, GAP43 and NRGN/RC3.
序列相似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Contains 1 protein kinase domain.
结构域	The two calmodulin-binding domains appear to act in concert to bind a single molecule of calmodulin and are pseudosubstrate/autoinhibitory domains.

图片



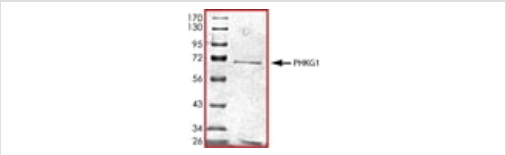
Functional Studies - Recombinant human PHKG1 protein (ab101715)

The specific activity of PHKG1 (ab101715) was determined to be 26 nmol/min/mg as per activity assay protocol



SDS-PAGE - Recombinant human PHKG1 protein (ab101715)

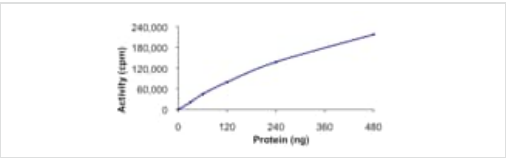
SDS PAGE analysis of ab101715



SDS-PAGE - Recombinant human PHKG1 protein (ab101715)

The putity of ab101715 was determined to be 75% by densitometry.

Approximate MWt: 70kDa



Functional Studies - Recombinant human PHKG1 protein (ab101715)

The specific activity of ab101715 was determined to be 29 nmol/min/mg.

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