

### Recombinant human PDK1 protein ab125580

#### 5 图像

#### 描述

产品名称	重组人PDK1蛋白
生物活性	The specific activity of ab125580 was determined to be 1.7 nmol/min/mg
纯度	= 95 % Densitometry. The purity was determined to be 95% by densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<b><u>Q15118</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	70 kDa including tags
氨基酸	1 to 436

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab125580** in the following tested applications.

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

应用	Western blot Functional Studies SDS-PAGE
形式	Liquid
补充说明	<b><u>ab125602</u></b> (Human Pyruvate Dehydrogenase E1-alpha subunit full length protein) can be utilized as a substrate for assessing Kinase activity  This product was previously labelled as Mitochondrial Pyruvate dehydrogenase kinase 1

#### 制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50
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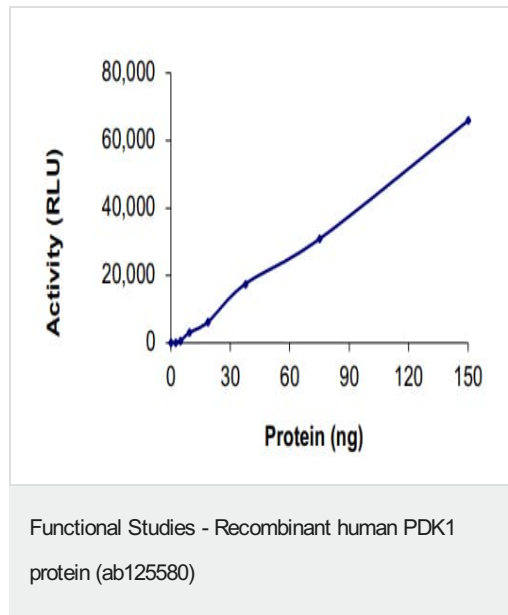
Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

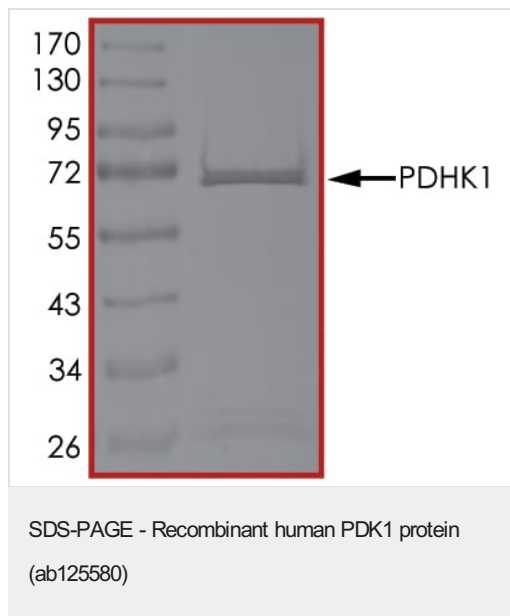
## 常规信息

功能	Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
组织特异性	Expressed predominantly in the heart.
序列相似性	Belongs to the PDK/BCKDK protein kinase family. Contains 1 histidine kinase domain.
细胞定位	Mitochondrion matrix.

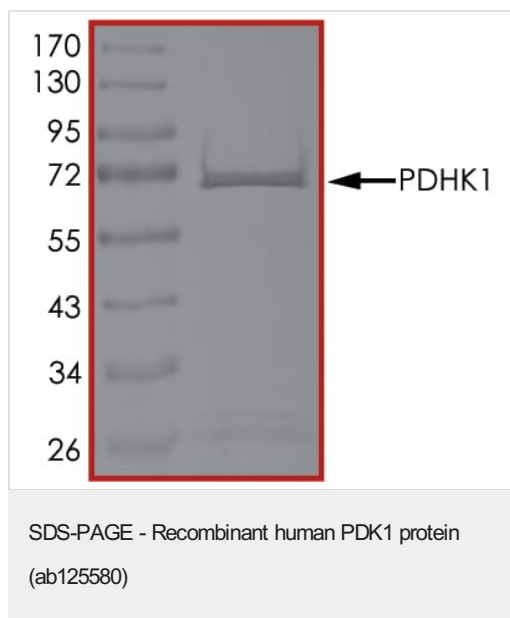
## 图片



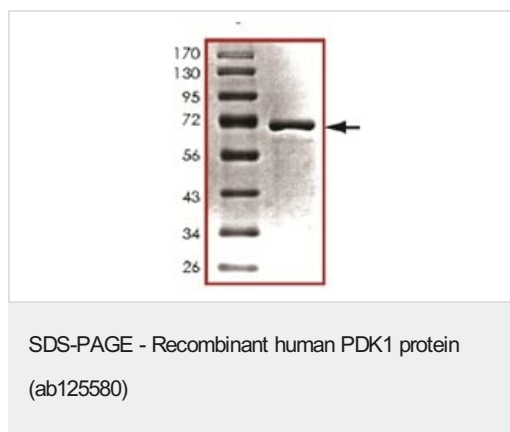
The specific activity of PDK1 (ab125580) was determined to be 1.4 nmol/min/mg as per activity assay protocol and was equivalent to 1.9 nmol/min/mg as per radiometric assay



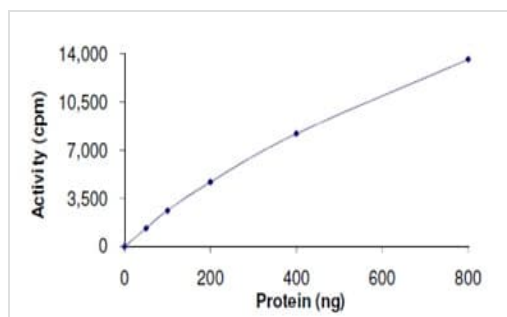
SDS PAGE analysis of ab125580



SDS PAGE analysis of ab125580



SDS Page analysis of ab125580



The specific activity of ab125580 was determined to be 1.7 nmol/min/mg.

Functional Studies - Recombinant human PDK1 protein (ab125580)

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

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