abcam

Product datasheet

Recombinant Human PCK1/PEPC protein ab119469

1 图像

描述

产品名称	重组人PCK1/PEPC蛋白
纯度	> 90 % SDS-PAGE. ab119469 was purified using conventional chromatography.
表达系统	Escherichia coli
Accession	P35558
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHH SSGLVPRGSH MGSHMPPQLQ NGLNLSAKVV QGSLDSLPQA VREFLENNAE LCQPDHIHIC DGSEEENGRL LGQMEEEGIL RRLKKYDNCW LALTDPRDVA RIESKTVIVT QEQRDTVPIP KTGLSQLGRW MSEEDFEKAF NARFPGCMKG RTMYVIPFSM GPLGSPLSKI GIELTDSPYV VASMRIMTRM GTPVLEALGD GEFVKCLHSV GCPLPLQKPL VNNWPCNPEL TLIAHLPDRR EIISFGSGYG GNSLLGKKCF ALRMASRLAK EEGWLAEHML VLGITNPEGE KKYLAAAFPS ACGKTNLAMM NPSLPGWKVE CVGDDIAWMK FDAQGHLRAI NPENGFFGVA PGTSVKTNPN AIKTIQKNTI FTNVAETSDG GVYWEGIDEP LASGVTITSW KNKEWSSEDG EPCAHPNSRF CTPASQCPII DAAWESPEGV PIEGIIFGGR RPAGVPLVYE ALSWQHGVFV GAAMRSEATA AAEHKGKIIM HDPFAMRPFF GYNFGKYLAH WLSMAQHPAA KLPKIFHVNW FRKDKEGKFL WPGFGENSRV LEWMFNRIDG KASTKLTPIG YIPKEDALNL KGLGHINMME LFSISKEFWE KEVEDIEKYL EDQVNADLPC EIEREILALK QRISQM
预测分子量	72 kDa including tags
氨基酸	1 to 622

标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab119469** 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
形式	Liquid
补充说明	This product was previously labelled as PCK1

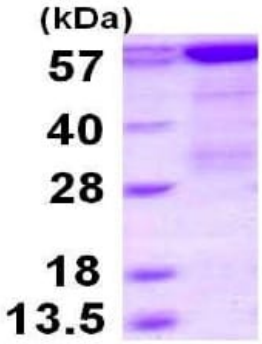
制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

常规信息

功能	Catalyzes the conversion of oxaloacetate (OAA) to phosphoenolpyruvate (PEP), the rate-limiting step in the metabolic pathway that produces glucose from lactate and other precursors derived from the citric acid cycle.
组织特异性	Major sites of expression are liver, kidney and adipocytes.
通路	Carbohydrate biosynthesis; gluconeogenesis.
疾病相关	Defects in PCK1 are the cause of cytosolic phosphoenolpyruvate carboxykinase deficiency (cytosolic PEPCK deficiency) [MIM:261680]. PEPCK deficiency is a metabolic disorder resulting from impaired gluconeogenesis. It is a rare disease with less than 10 cases reported in the literature. Clinical characteristics include hypotonia, hepatomegaly, failure to thrive, lactic acidosis and hypoglycemia. Autoposy reveals fatty infiltration of both the liver and kidneys. The disorder is transmitted as an autosomal recessive trait.
序列相似性	Belongs to the phosphoenolpyruvate carboxykinase [GTP] family.
翻译后修饰	Acetylation is increased on addition of glucose and appears to regulate the protein stability.
细胞定位	Cytoplasm.

图片



SDS-PAGE - Recombinant Human PCK1/PEPC protein (ab119469)

15% SDS-PAGE analysis of ab119469 (3µg)

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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