

Recombinant human PKC gamma protein ab60842

5 图像

描述

产品名称	重组人PKC gamma蛋白
纯度	> 80 % Densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
标签	GST tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab60842** in the following tested applications.

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

应用	Functional Studies SDS-PAGE
形式	Liquid
补充说明	ab204875 (PKC epsilon peptide) 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 -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 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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常规信息

功能	This is a calcium-activated, phospholipid-dependent, serine- and threonine-specific enzyme.
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PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.

组织特异性

Expressed in Purkinje cells of the cerebellar cortex.

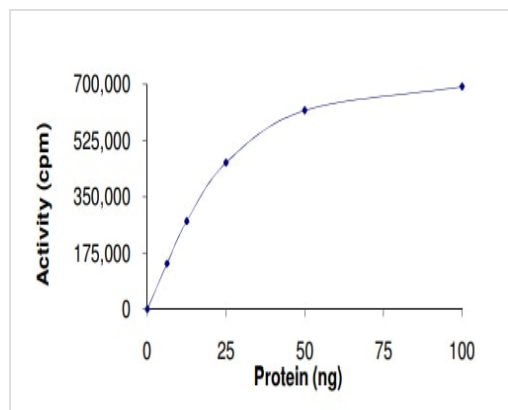
疾病相关

Defects in PRKCG are the cause of spinocerebellar ataxia type 14 (SCA14) [MIM:605361]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA14 is an autosomal dominant cerebellar ataxia (ADCA).

序列相似性

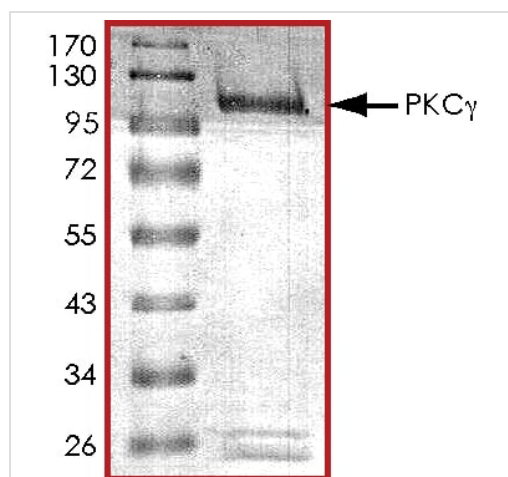
Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 C2 domain. Contains 2 phorbol-ester/DAG-type zinc fingers. Contains 1 protein kinase domain.

图片



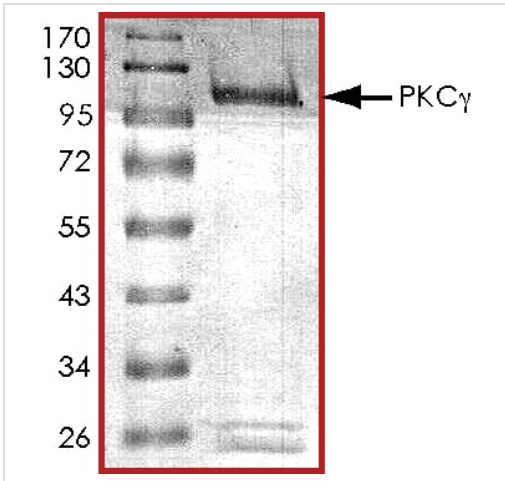
The specific activity of PKC gamma (ab60842) was determined to be 586 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human PKC gamma protein (ab60842)



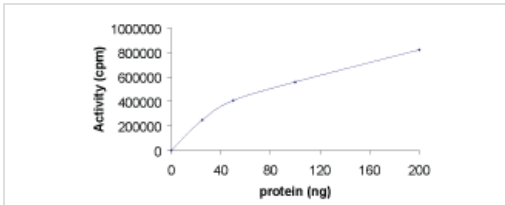
SDS PAGE analysis of ab60842

SDS-PAGE - Recombinant human PKC gamma protein (ab60842)



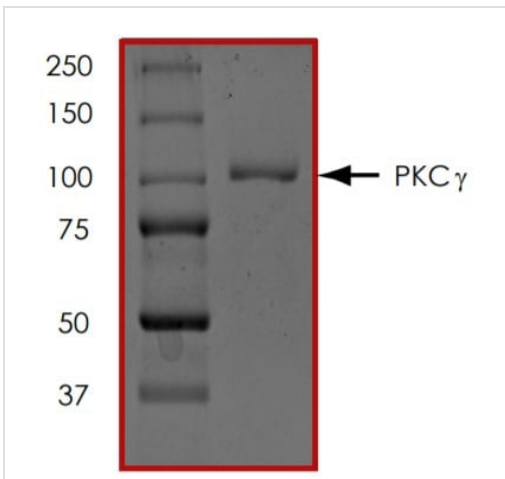
SDS PAGE analysis of ab60842

SDS-PAGE - Recombinant human PKC gamma protein (ab60842)



Sample Kinase Activity Plot.

Functional Studies - Recombinant human PKC gamma protein (ab60842)



ab60842 on SDS-PAGE, MW ~105 kDa.

SDS-PAGE - Recombinant human PKC gamma protein (ab60842)

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