

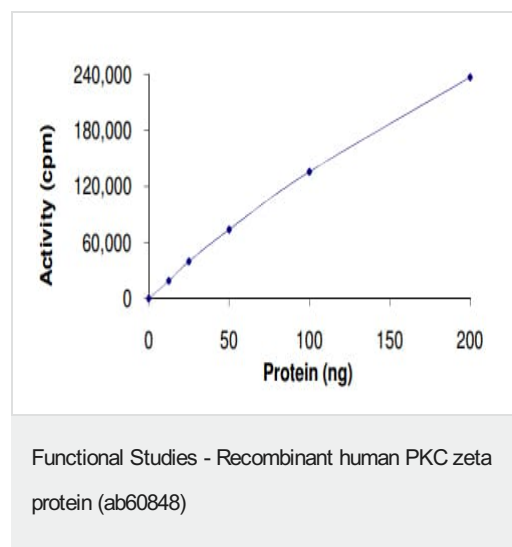
Recombinant human PKC zeta protein ab60848

6 图像

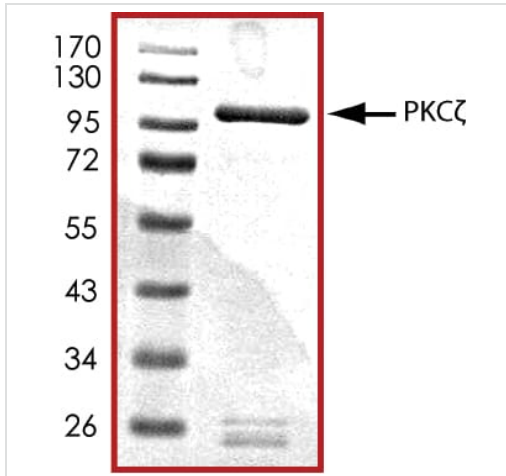
描述	
产品名称	重组人PKC zeta蛋白
纯度	> 90 % SDS-PAGE. Purity: >90% as determined by densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
标签	GST tag N-Terminus
技术指标	
Our <b>Abpromise guarantee</b> covers the use of <b>ab60848</b> in the following 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 Western blot
形式	Liquid
补充说明	<b>ab204856</b> (CREB 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.
常规信息	

<b>功能</b>	<p>This is a calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. Phosphorylates 'Ser-311' of RELA subunit of NF-kappa-B.</p> <p>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. Subunit of a quaternary complex that plays a central role in epithelial cell polarization.</p>
<b>组织特异性</b>	Expressed in brain, and to a lesser extent in lung, kidney and testis.
<b>序列相似性</b>	<p>Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily.</p> <p>Contains 1 AGC-kinase C-terminal domain.</p> <p>Contains 1 OPR domain.</p> <p>Contains 1 phorbol-ester/DAG-type zinc finger.</p> <p>Contains 1 protein kinase domain.</p>
<b>结构域</b>	<p>The OPR domain mediates mutually exclusive interactions with SQSTM1 and PARD6B.</p> <p>The C1 domain does not bind the diacylglycerol (DAG).</p>
<b>翻译后修饰</b>	CDH5 is required for its phosphorylation at Thr-410.
<b>细胞定位</b>	Cytoplasm. Endosome. Cell junction. In the retina, localizes in the terminals of the rod bipolar cells (By similarity). Associates with endosomes. Presence of KRIT1, CDH5 and RAP1B is required for its localization to the cell junction.

## 图片

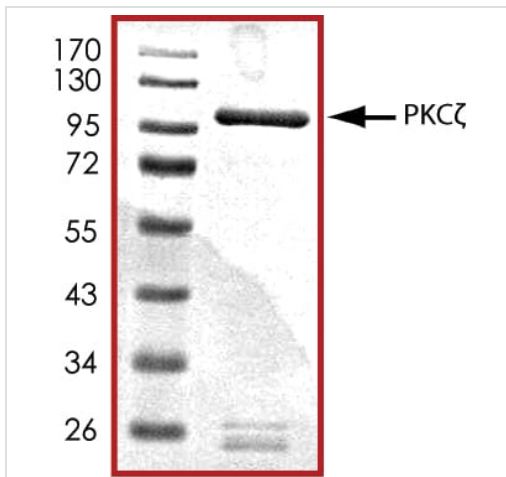


The specific activity of PKC zeta (ab60848) was determined to be 103 nmol/min/mg as per activity assay protocol



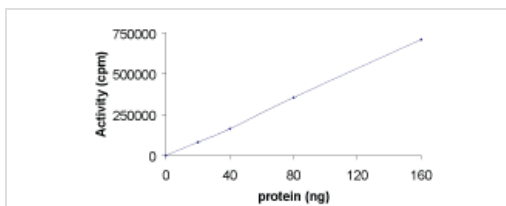
SDS PAGE analysis of ab60848

SDS-PAGE - Recombinant human PKC zeta protein  
(ab60848)



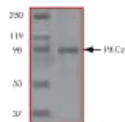
SDS PAGE analysis of ab60848

SDS-PAGE - Recombinant human PKC zeta protein  
(ab60848)



Sample Kinase Activity Plot.

Functional Studies - Recombinant human PKC zeta  
protein (ab60848)



ab60848 on SDS-PAGE, MW ~93 kDa.

SDS-PAGE - Recombinant human PKC zeta protein  
(ab60848)



Western blot - Recombinant human PKC zeta  
protein (ab60848)

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

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