

### Recombinant human CAMK1G protein ab51400

画像数 4

#### 製品の詳細

製品名	Recombinant human CAMK1G protein
生理活性	Specific activity was determined to be 788 nmol/min/mg.
精製度	> 90 % Densitometry. Affinity purified.
発現系	Baculovirus infected Sf9 cells
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
領域	1 to 330

#### 特性

Our **Abpromise guarantee** covers the use of **ab51400** in the following tested applications.

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

アプリケーション	SDS-PAGE Functional Studies
製品の状態	Liquid
備考	<b>ab188554</b> (CaMKII peptide) can be utilized as a substrate for assessing Kinase activity This product was previously labelled as CaMKI gamma

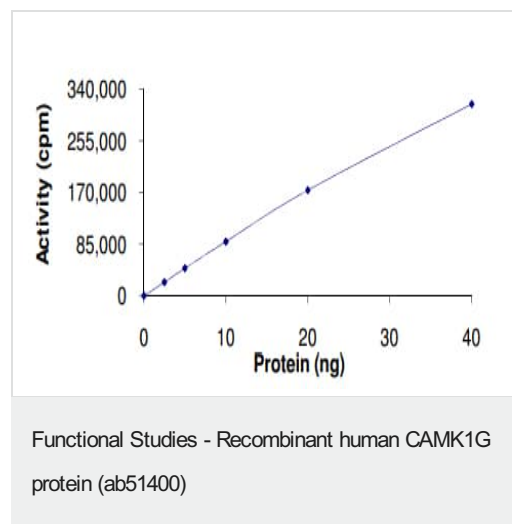
#### 前処理および保存

保存方法および安定性	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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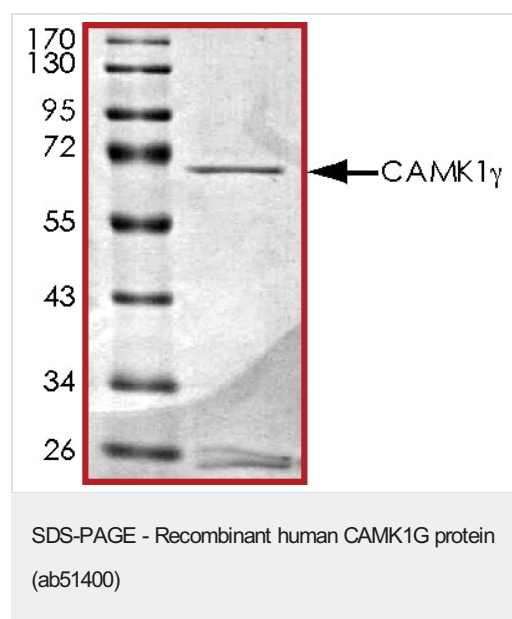
## 関連情報

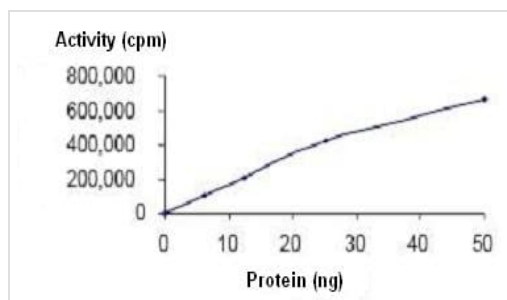
機能	Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade. In vitro phosphorylates transcription factor CREB1.
組織特異性	Mainly expressed in brain with small amounts in skeletal muscles, kidney, spleen and liver. Strongly expressed in forebrain neocortex, striatum and limbic system.
配列類似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Contains 1 protein kinase domain.
ドメイン	The autoinhibitory domain overlaps with the calmodulin binding region and interacts in the inactive folded state with the catalytic domain as a pseudosubstrate.
翻訳後修飾	May be prenylated on Cys-473.
細胞内局在	Cytoplasm. Golgi apparatus membrane. Cell membrane.

## 画像



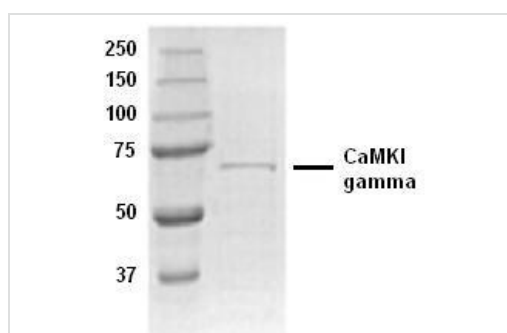
The specific activity of CAMK1G (ab51400) was determined to be 675 nmol/min/mg as per activity assay protocol





Kinase activity assay. Specific activity 788 nmol/min/mg.

Functional Studies - Recombinant human CAMK1G protein (ab51400)



Recombinant human CAMK1G (with proprietary tag)  
molecular weight 69 kDa.

SDS-PAGE - Recombinant human CAMK1G protein (ab51400)

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

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