

### Recombinant human PIM2 protein ab60836

画像数 4

#### 製品の詳細

製品名	Recombinant human PIM2 protein
精製度	> 95 % SDS-PAGE. Purity: >95% as determined by densitometry. Affinity purified.
発現系	Baculovirus infected Sf9 cells
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
タグ	GST tag N-Terminus

#### 特性

Our **Abpromise guarantee** covers the use of **ab60836** 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	Functional Studies SDS-PAGE
製品の状態	Liquid
備考	<b>ab204880</b> (RPS6 peptide) can be utilized as a substrate for assessing kinase activity

#### 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, 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	Promotes cell survival in response to a variety of proliferative signals via positive regulation of the
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I-kappaB kinase/NF-kappaB cascade; this process requires phosphorylation of MAP3K8/COT. Prevents apoptosis induced by growth factor withdrawal via inhibition of caspase-3 activation, and via phosphorylation of pro-apoptotic proteins. Inhibits BAD-induced cell death via phosphorylation of BAD. PIM2-mediated cell survival is glucose-dependent but independent of several AKT regulators such as PI3K, HSP-90 and TOR, indicating that PIM2 and PI3K/AKT/TOR function via distinct pathways. Involved in the positive regulation of chondrocyte survival and autophagy in the epiphyseal growth plate.

#### 組織特異性

Highly expressed in hematopoietic tissues, in leukemic and lymphoma cell lines, testis, small intestine, colon and colorectal adenocarcinoma cells. Weakly expressed in normal liver, but highly expressed in hepatocellular carcinoma tissues.

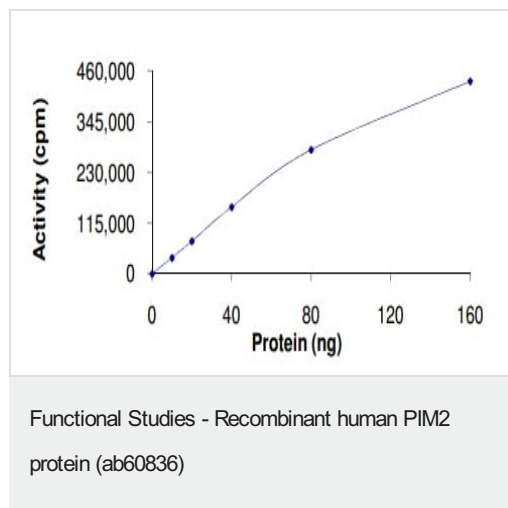
#### 配列類似性

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PIM subfamily. Contains 1 protein kinase domain.

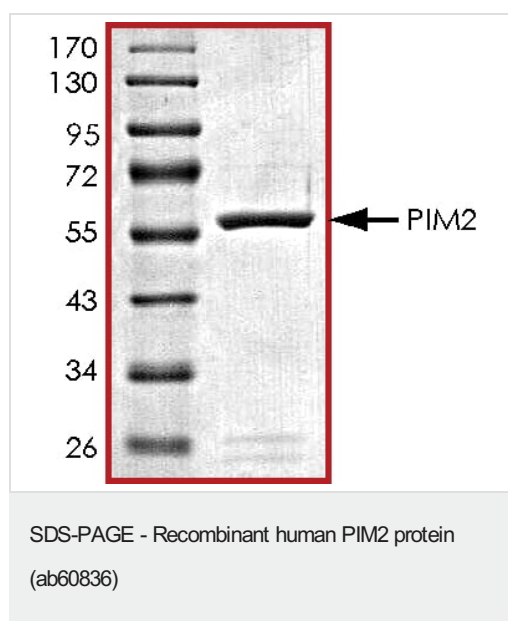
#### 翻訳後修飾

Autophosphorylated.

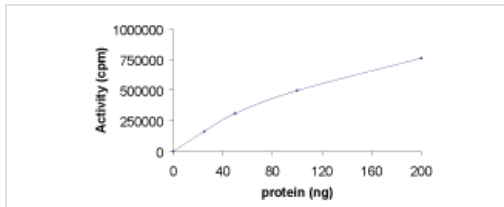
#### 画像



The specific activity of PIM2 (ab60836) was determined to be 270 nmol/min/mg as per activity assay protocol

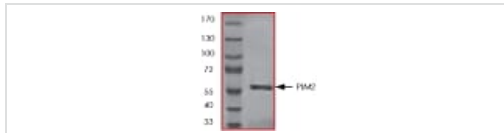


SDS PAGE analysis of ab60836



Sample Kinase Activity Plot.

Functional Studies - Recombinant human PIM2  
protein (ab60836)



ab60836 on SDS-PAGE, MW ~61kDa.

SDS-PAGE - Recombinant human PIM2 protein  
(ab60836)

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

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