

# Recombinant human MK2 protein ab60307

**1 References**   [画像数 4](#)

### 製品の詳細

製品名	Recombinant human MK2 protein
生理活性	Specific activity: 254 nmol/min/mg.
精製度	> 90 % Densitometry. Affinity purified.
発現系	Baculovirus infected Sf9 cells
アクセッション番号	<b><u>P49137-1</u></b>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
予測される分子量	68 kDa
領域	46 to 400
タグ	GST tag N-Terminus
配列の追加情報	Recombinant fragment, corresponding to amino acids 46-end of Human MAPKAP Kinase 2.

### 特性

Our **Abpromise guarantee** covers the use of **ab60307** 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><u>ab204861</u></b> (Hsp27 peptide) can be utilized as a substrate for assessing kinase activity This product was previously labelled as MAPKAP Kinase 2

### 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.
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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.

## 関連情報

### 機能

Its physiological substrate seems to be the small heat shock protein (HSP27/HSP25). In vitro can phosphorylate glycogen synthase at 'Ser-7' and tyrosine hydroxylase (on 'Ser-19' and 'Ser-40'). This kinase phosphorylates Ser in the peptide sequence, Hyd-X-R-X(2)-S, where Hyd is a large hydrophobic residue (By similarity). Mediates both ERK and p38 MAPK/MAPK14 dependent neutrophil responses. Participates in TNF alpha-stimulated exocytosis of secretory vesicles in neutrophils. Plays a role in phagocytosis-induced respiratory burst activity.

### 組織特異性

Expressed in all tissues examined.

### 配列類似性

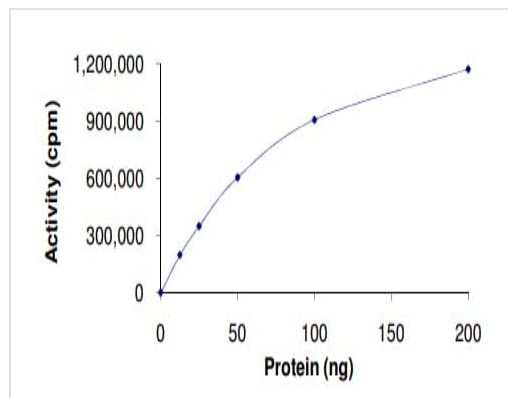
Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.

Contains 1 protein kinase domain.

### 翻訳後修飾

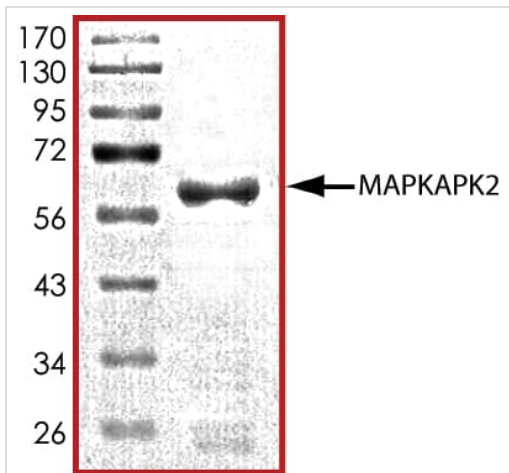
Phosphorylated and activated by MAP kinase.

## 画像



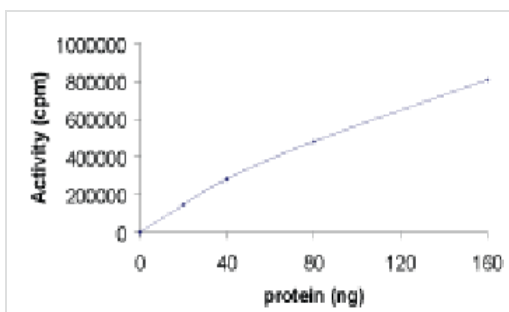
The specific activity of MK2 (ab60307) was determined to be 315 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human MK2 protein (ab60307)



SDS PAGE analysis of ab60307

SDS-PAGE - Recombinant human MK2 protein (ab60307)



Sample Kinase Activity Plot.

Functional Studies - Recombinant human MK2 protein (ab60307)



ab60307 on SDS-PAGE.

SDS-PAGE - Recombinant human MK2 protein (ab60307)

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

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