

### Recombinant Human ERK1 protein ab126906

#### 1 图像

#### 描述

产品名称	重组人ERK1蛋白
纯度	> 85 % Densitometry. The purity was determined to be >85% by densitometry
表达系统	Escherichia coli
Accession	<b><u>P27361</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	70 kDa including tags
氨基酸	1 to 379

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab126906** in the following tested applications.

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

应用	Western blot SDS-PAGE
形式	Liquid
补充说明	ab126906 (Human ERK1 full length protein) can be utilized as a substrate for the following active protein kinases:  <b><u>ab104027</u></b> (Active human MEKK1 protein fragment) <b><u>ab55721</u></b> (Active Raf1 (mutated F341 Q) protein fragment) <b><u>ab63209</u></b> (Active human MEK1 full length protein)

#### 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
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Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

## 常规信息

功能	Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock factor protein 4 (HSF4).
序列相似性	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily. Contains 1 protein kinase domain.
结构域	The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.
翻译后修饰	Dually phosphorylated on Thr-202 and Tyr-204, which activates the enzyme. Dephosphorylated by PTPRJ at Tyr-204.

## 图片



SDS-PAGE showing ab126906

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

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