abcam

Product datasheet

# Recombinant Human MEK1 protein ab126919

画像数 1

## 製品の詳細

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| **製品名** | Recombinant Human MEK1 protein |
| **精製度** | > 95 % SDS-PAGE.<br>Affinity purified. |
| **発現系** | Baculovirus infected Sf9 cells |
| **アクセッション番号** | Q02750 |
| **タンパク質長** | Full length protein |
| **Animal free** | No |
| **由来** | Recombinant |
| **生物種** | Human |
| **予測される分子量** | 71 kDa including tags |
| **領域** | 1 to 393 |
| **タグ** | GST tag N-Terminus |

## 特性

Our **Abpromise guarantee** covers the use of **ab126919** in the following tested applications.

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

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| **アプリケーション** | SDS-PAGE |
| **製品の状態** | Liquid |
| **備考** | ab126919 (Human MEK1 full length protein) can be utilized as a substrate for the active protein kinase **ab104027** (Active human MEKK1 protein fragment) |

## 前処理および保存

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| **保存方法および安定性** | Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.<br>pH: 7.50<br>Constituents: 0.79% Tris-HCl buffer, 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride |

## 関連情報

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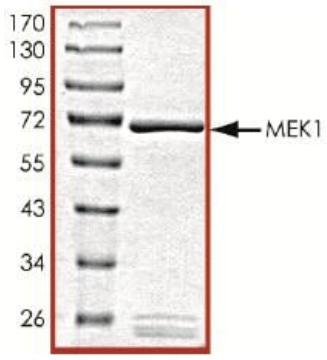
| **機能** | Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates ERK1 and ERK2 MAP kinases. |
| **組織特異性** | Widely expressed, with extremely low levels in brain. |
| **関連疾患** | Defects in MAP2K1 are a cause of cardiofaciocutaneous syndrome (CFC syndrome) [MIM:115150]; also known as cardio-facio-cutaneous syndrome. CFC syndrome is characterized by a distinctive facial appearance, heart defects and mental retardation. Heart defects include pulmonic stenosis, atrial septal defects and hypertrophic cardiomyopathy. Some affected individuals present with ectodermal abnormalities such as sparse, friable hair, hyperkeratotic skin lesions and a generalized ichthyosis-like condition. Typical facial features are similar to Noonan syndrome. They include high forehead with bitemporal constriction, hypoplastic supraorbital ridges, downslanting palpebral fissures, a depressed nasal bridge, and posteriorly angulated ears with prominent helices. The inheritance of CFC syndrome is autosomal dominant. |
| **配列類似性** | Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily.<br>Contains 1 protein kinase domain. |
| **翻訳後修飾** | Phosphorylation on Ser/Thr by MAP kinase kinase kinases (RAF or MEKK1) regulates positively the kinase activity.<br>Acetylation by Yersinia yopJ prevents phosphorylation and activation, thus blocking the MAPK signaling pathway. |

## 画像




SDS-PAGE - Recombinant Human MEK1 protein (ab126919)

SDS-PAGE analysis of ab126919



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