

Recombinant human MEK1 protein ab63209

5 图像

描述	
产品名称	重组人MEK1蛋白
生物活性	Specific activity: 325 nmol/min/mg. Specific activity: 325 nmol/min/mg.
纯度	> 95 % SDS-PAGE. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	> 402 aa MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID 60 GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV 120 DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK 180 KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSMPKK KPTPIQLNPA 240 PDGSAVNGTS SAETNLEALQ KKLEEELEDE QQRKRLEAFL TQKQKVSEL DDDFEKISEL 300 GAGNGGVVFK VSHKPSGLVM ARKLIHLEIK PAIRNQIIRE LQVLHECNSP YIVGFYGAFF 360 SDGEISICME HMDGGSLDQV LKKAGRIPEQ ILGKVSIAVI KGLTYLREKH KIMHRDVKPS 420 NILVNSRGEI KLCDFGVSGQ LIDSMANSFV GTRSYMSPER LQGTHYSVQS DIWSMGLSLV 480 EMAVGRYPIPPDAKELELM FGCQVEGDAA ETPPRPRTPG RPLSSYGMDS RPPMAIFELL 540 DYIVNEPPPK LPSGVFSLEF QDFVNKCLIK NPAERADLKQ LMVHAFIKRS DAEEVDFAFW 600 LCSTIGLNQP STPTHAAGV 619
实际分子量	72 kDa
技术指标	

Our **Abpromise guarantee** covers the use of **ab63209** in the following tested applications.

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

应用	SDS-PAGE Functional Studies
形式	Liquid
补充说明	ab126906 (Human ERK1 full length protein) and ab64311 (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

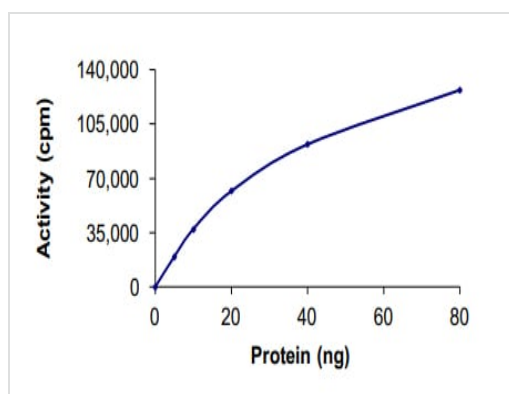
制备和贮存

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 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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常规信息

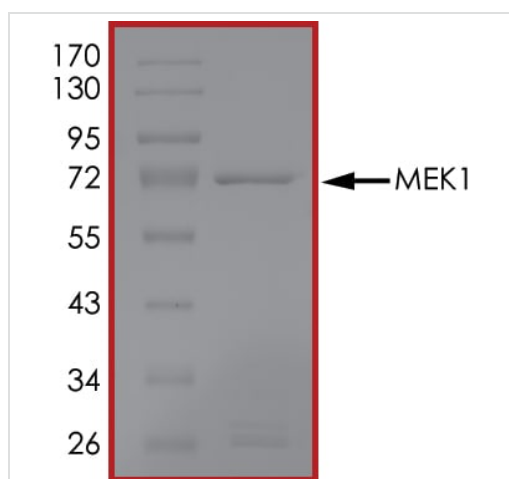
功能	Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates ERK1 and ERK2 MAP kinases.
组织特异性	Widely expressed, with extremely low levels in brain.
疾病相关	Defects in MAP2K1 are a cause of cardiofaciocutaneous syndrome (CFC 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.
序列相似性	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily. Contains 1 protein kinase domain.
翻译后修饰	Phosphorylation on Ser/Thr by MAP kinase kinase kinases (RAF or MEKK1) regulates positively the kinase activity. Acetylation by Yersinia yopJ prevents phosphorylation and activation, thus blocking the MAPK signaling pathway.

图片



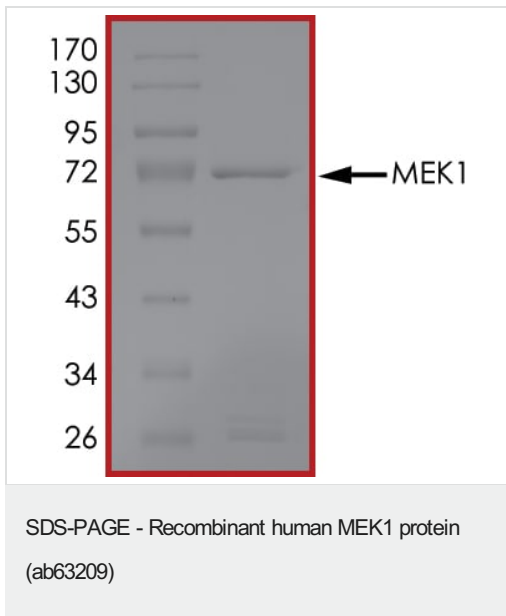
The specific activity of MEK1 (ab63209) was determined to be 280 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human MEK1 protein (ab63209)

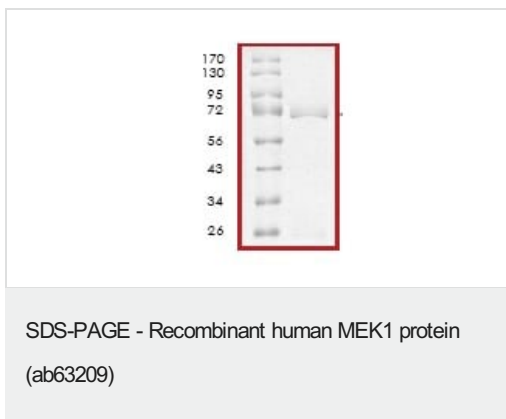


SDS PAGE analysis of ab63209

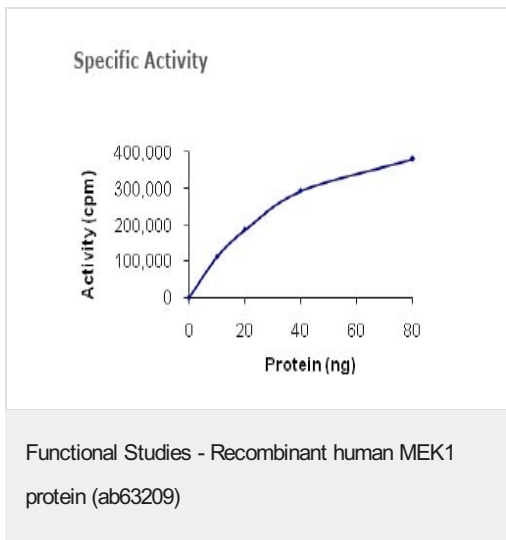
SDS-PAGE - Recombinant human MEK1 protein (ab63209)



SDS PAGE analysis of ab63209



SDS Page analysis of ab63209



Specific activity standard curve of ab63209

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