

Product datasheet

Recombinant human MEKK2 protein ab85299

[4 Images](#)

Description

Product name	Recombinant human MEKK2 protein
Biological activity	Specific activity: 226nmol/min/mg.
Purity	> 80 % Densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab85299** in the following tested applications.

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

Applications	Western blot Functional Studies
Form	Liquid
Additional notes	ab43623 (Human ERK1 full length protein) and ab64311 (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

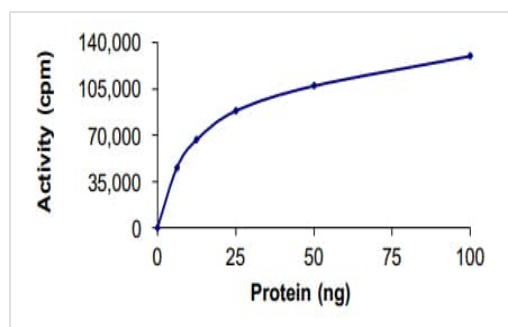
Preparation and Storage

Stability and Storage	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, 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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General Info

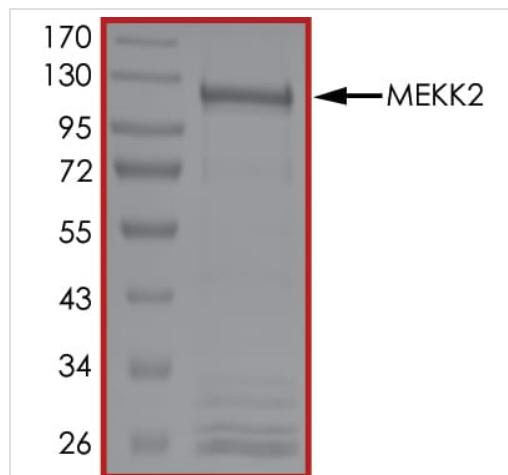
Function	Component of a protein kinase signal transduction cascade. Regulates the JNK and ERK5 pathways by phosphorylating and activating MAP2K5 and MAP2K7 (By similarity). Plays a role in caveolae kiss-and-run dynamics.
Sequence similarities	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily. Contains 1 OPR domain. Contains 1 protein kinase domain.
Post-translational modifications	Autophosphorylated.
Cellular localization	Cytoplasm. Nucleus. Upon EGF stimulation, translocates into the nucleus.

Images



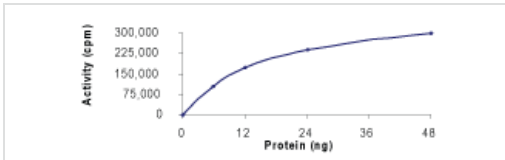
The specific activity of MEKK2 (ab85299) was determined to be 239.3 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human MEKK2 protein (ab85299)



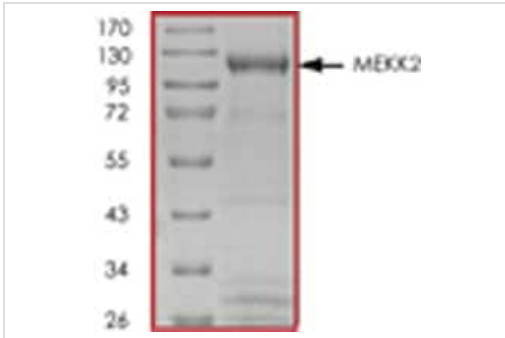
SDS PAGE analysis of ab85299

SDS-PAGE - Recombinant human MEKK2 protein (ab85299)



Specific activity of ab85299

Functional Studies - Recombinant human MEKK2 protein (ab85299)



SDS-Page Showing ab85299 at approximately 115 kDa

SDS-PAGE - Recombinant human MEKK2 protein (ab85299)

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

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