

Recombinant Human MAP2K4 Protein, GST-tagged

Cat. No. MAP2K4-17H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MEK4 (33-end) was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	33-end a.a.
Description	<p>MEK4 is a member of the mitogen-activated protein kinase family and is involved in the stress-activated protein kinase pathway where it phosphorylates c-Jun NH2-terminal kinase. MEK4 is part of a signaling system that is stimulated in the presence of stress to the cell (including chemotherapy), and it controls differentiation and programmed cell death (apoptosis). MEK4 is central component of signal transduction pathways induced by mitogens and stresses. MEK4 genetic inactivation has been observed in a subset of pancreatic carcinomas, implicating deregulation of the stress-activated protein kinase pathway in pancreatic carcinogenesis.</p>
Molecular Mass	63 kDa
Purity	The purity was determined to be >95% by densitometry.
Applications	Kinase Assay, Western Blot
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller

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quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.1 µg/µL

Storage Buffer 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.

Shipping One year at -70 centigrade from date of shipment.

GENE INFORMATION

Gene Name [MAP2K4 mitogen-activated protein kinase kinase 4 \[Homo sapiens \(human\) \]](#)

Official Symbol [MAP2K4 mitogen-activated protein kinase kinase 4 \[Homo sapiens \(human\) \]](#)

Synonyms

JNKK; MEK4; JNKK1; SERK1; MAPKK4; PRKMK4; SEK1; MAP2K4; mitogen-activated protein kinase kinase 4; MKK4; SKK1; SERK1; MAPKK4; SAPKK1; SAPKK-1; dual specificity mitogen-activated protein kinase kinase 4; JNK-activated kinase 1; JNK-activating kinase 1; MAP kinase kinase 4; MAPK/ERK kinase 4; MAPKK 4; MEK 4; SAPK/ERK kinase 1; c-Jun N-terminal kinase kinase 1; stress-activated protein kinase kinase 1; EC 2.7.12.2

Gene ID [6416](#)

mRNA Refseq [NM_003010](#)

Protein Refseq [NP_003001](#)

MIM [601335](#)

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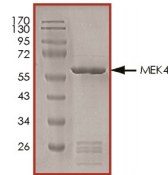
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UniProt ID

P45985

Purity



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