

Recombinant Human MAP2K7 Protein, GST-tagged

Cat. No. MAP2K7-8085H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human MAP2K7 protein was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
Description	Mitogen-activated protein kinase 7 (MKK7 or MEK7) is a dual-specificity protein kinase of the STE7 family. Directly phosphorylates the Thr-Pro-Tyr motif located in the activation loop of JNK1/2 and activate the kinases in response to environmental stress, pro-inflammatory cytokines or developmental cues. The activation of MKK7 is mediated by various MAPKKs, including mixed lineage protein kinases (MLKs) and MAPK/ERK kinase (MEK) kinase (MEKK1).
Molecular Mass	~78 kDa
Purity	> 70%
Applications	Kinase Assay, Western Blot
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 ug/uL

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

GENE INFORMATION

Gene Name MAP2K7

Official Symbol MAP2K7 mitogen-activated protein kinase kinase 7 [Homo sapiens (human)]

Synonyms MAP2K7; mitogen-activated protein kinase kinase 7; MEK; MKK7; JNKK2; MEK 7; MAPKK7; PRKMK7; SAPKK4; SAPKK-4; dual specificity mitogen-activated protein kinase kinase 7; JNK-activating kinase 2; MAP kinase kinase 7; MAPK/ERK kinase 7; SAPK kinase 4; c-Jun N-terminal kinase kinase 2; stress-activated protein kinase kinase 4; EC 2.7.12.2

Gene ID 5609

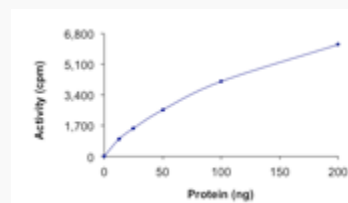
mRNA Refseq NM_145185

Protein Refseq NP_660186

MIM 603014

UniProt ID O14733

Specific Activity



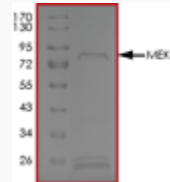
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The specific activity of MEK7 was determined to be 2 nmol/min/mg

Purity



The purity of MEK7 was determined to be >70% by densitometry approx.

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