Recombinant Human MAP3K1

Cat. No. MAP3K1-30190TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human MEKK1 (amino acids 900-1748) with N-terminal proprietary tag, 155kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	849 amino acids
Description	The protein encoded by this gene is a serine/threonine kinase and is part of some signal transduction cascades, including the ERK and JNK kinase pathways as well as the NF-kappa-B pathway. The encoded protein is activated by autophosphorylation and requires magnesium as a cofactor in phosphorylating other proteins.
Molecular Weight	155.000kDa inclusive of tags
Biological activity	The Specific activity of MAP3K1-30190TH was determined to be 820 nmol/min/mg.
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 0.01% Triton-X-100, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.Contains 1 protein kinase domain.Contains 1 RING-type zinc finger.Contains 1 SWIM-type zinc finger.

GENE INFORMATION

Gene Name	MAP3K1 mitogen-activated protein kinase kinase kinase 1 [Homo sapiens]
Official Symbol	MAP3K1
Synonyms	MAP3K1; mitogen-activated protein kinase kinase kinase 1; MEKK1; MAPKKK1; MEKK;
Gene ID	4214
mRNA Refseq	NM_005921
Protein Refseq	NP_005912
MIM	600982
Uniprot ID	Q13233
Chromosome Location	5q11.2
Pathway	Activated TLR4 signalling, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation by HSP70, organism-specific biosystem; BCR

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	signaling pathway, organism-specific biosystem; CD40/CD40L signaling, organism-specific biosystem;
Function	ATP binding; JUN kinase binding; JUN kinase kinase activity; JUN kinase kinase kinase activity; MAP kinase kinase kinase activity;

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