

Recombinant Human MAP3K1 protein, His & T7-tagged

Cat. No. MAP3K1-1540H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAP3K1 aa. (Ile1307~Arg1509 (Accession # Q13233)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ile1307~Arg1509
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. This protein has E3 ligase activity conferred by a plant homeodomain (PHD) in its N-terminus and phospho-kinase activity conferred by a kinase domain in its C-terminus.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.1kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	>95%
Characteristic	The isoelectric point is 9.2.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	MAP3K1 mitogen-activated protein kinase kinase kinase 1 [Homo sapiens (human)]
Official Symbol	MAP3K1
Synonyms	MEKK; MEKK1; SRXY6; MEKK 1; MAPKKK1; MAP/ERK kinase kinase 1; MAPK/ERK kinase kinase 1; MEK kinase 1; mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase; mitogen-activated protein kinase kinase kinase 1
Gene ID	4214
mRNA Refseq	NM_005921.1
Protein Refseq	NP_005912.1
UniProt ID	Q13233

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