

Recombinant Human MAP3K3 293 Cell Lysate

Cat. No. MAP3K3-4505HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mitogen-activated protein kinase kinase kinase 3 (MAP3K3), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name MAP3K3 mitogen-activated protein kinase kinase kinase 3 [Homo sapiens]

Official Symbol MAP3K3

Synonyms MAP3K3; mitogen-activated protein kinase kinase kinase 3; MEKK3; MAP/ERK kinase kinase 3; MAPK/ERK kinase kinase 3; MAPKKK3; MEKK 3; MEK kinase 3;

Gene ID 4215

mRNA Refseq NM_002401

Protein Refseq NP_002392

MIM 602539

UniProt ID Q99759

Chromosome Location 17q

Pathway Cytokine Signaling in Immune system, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; GnRH signaling pathway, organism-specific biosystem; GnRH signaling pathway, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; IL1-mediated signaling events, organism-specific biosystem;

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Function

ATP binding; MAP kinase kinase kinase activity; metal ion binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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