

Recombinant Human MAP2K3 293 Cell Lysate

Cat. No. MAP2K3-4511HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant A 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

MAP2K3 mitogen-activated protein kinase kinase 3 [Homo sapiens]

Official Symbol

MAP2K3

Synonyms

MAP2K3; mitogen-activated protein kinase kinase 3; PRKMK3; dual specificity mitogen-activated protein kinase kinase 3; dual specificity mitogen activated protein kinase kinase 3; MAP kinase kinase 3; MAPK/ERK kinase 3; MAPKK3; MEK3; MKK3; MEK 3; MAPKK 3; SAPK kinase 2; stress-activated protein kinase kinase 2; SAPKK2; SAPKK-2;

Gene ID

5606

mRNA Refseq

NM_002756

Protein Refseq

NP_002747

MIM

602315

UniProt ID

P46734

**Chromosome
Location**

17q11.2

Pathway

Activated TLR4 signalling, organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved

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biosystem; CDC42 signaling events, organism-specific biosystem; CXCR3-mediated signaling events, organism-specific biosystem; Cellular roles of Anthrax toxin, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem;

Function

ATP binding; MAP kinase kinase activity; nucleotide binding; protein binding; protein kinase binding; protein serine/threonine kinase activity; protein tyrosine kinase activity;

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