

Recombinant Human MAP4K4 293 Cell Lysate

Cat. No. MAP4K4-4500HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mitogen-activated protein kinase kinase kinase 4 (MAP4K4), 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

MAP4K4 mitogen-activated protein kinase kinase kinase 4 [Homo sapiens]

Official Symbol

MAP4K4

Synonyms

MAP4K4; mitogen-activated protein kinase kinase kinase 4; FLH21957; hepatocyte progenitor kinase like/germinal center kinase like kinase; HGK; HPK/GCK like kinase; NIK; MEK kinase kinase 4; nck-interacting kinase; HPK/GCK-like kinase HGK; Ste20 group protein kinase HGK; MAPK/ERK kinase kinase kinase 4; hepatocyte progenitor kinase-like/germinal center kinase-like kinase; MEKKK4; FLJ10410; FLJ20373; FLJ90111; KIAA0687;

Gene ID

9448

mRNA Refseq

NM_001242559

Protein Refseq

NP_001229488

MIM

604666

UniProt ID

O95819

Chromosome Location

2q11.2-q12

Pathway

Ceramide signaling pathway, organism-specific biosystem; Direct p53 effectors,

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organism-specific biosystem; EPHB forward signaling, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem;

Function

ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; small GTPase regulator activity;

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