

Recombinant Human MAP3K14 293 Cell Lysate

Cat. No. MAP3K14-4507HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for mitogen-activated protein kinase kinase kinase 14 (MAP3K14) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [MAP3K14 mitogen-activated protein kinase kinase kinase 14 \[Homo sapiens \]](#)

Official Symbol [MAP3K14](#)

Synonyms [MAP3K14](#); [mitogen-activated protein kinase kinase kinase 14](#); [FTDCR1B](#); [HS](#); [HSNIK](#); [NIK](#); [serine/threonine protein kinase](#); [NF-kappa-beta-inducing kinase](#); [serine/threonine protein-kinase](#); [serine/threonine-protein kinase NIK](#);

Gene ID [9020](#)

mRNA Refseq [NM_003954](#)

Protein Refseq [NP_003945](#)

MIM [604655](#)

UniProt ID [Q99558](#)

Chromosome Location [17q21-q22](#)

Pathway [Adaptive Immune System, organism-specific biosystem](#); [Alternative NF-kappaB pathway, organism-specific biosystem](#); [Apoptosis, organism-specific biosystem](#); [Apoptosis, conserved biosystem](#); [CD28 co-stimulation, organism-specific biosystem](#); [CD28 dependent PI3K/Akt signaling, organism-specific biosystem](#); [CD40/CD40L signaling, organism-specific biosystem](#);

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Function

ATP binding; MAP kinase kinase kinase activity; NF-kappaB-inducing kinase activity; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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