

Recombinant Human MKNK1 293 Cell Lysate

Cat. No. MKNK1-4303HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for MAP kinase interacting serine/threonine kinase 1 (MKNK1), transcript variant 1 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	MKNK1 MAP kinase interacting serine/threonine kinase 1 [Homo sapiens]
Official Symbol	MKNK1
Synonyms	MKNK1; MAP kinase interacting serine/threonine kinase 1; MAP kinase-interacting serine/threonine-protein kinase 1; MNK1; MAPK signal-integrating kinase 1; MAP kinase signal-integrating kinase 1;
Gene ID	8569
mRNA Refseq	NM_001135553
Protein Refseq	NP_001129025
MIM	606724
UniProt ID	Q9BUB5
Chromosome Location	1p33
Pathway	IL-2 Signaling Pathway, organism-specific biosystem; Insulin signaling pathway, organism-specific biosystem; Insulin signaling pathway, conserved biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Negative regulation of FGFR signaling, organism-specific biosystem; Signal Transduction, organism-specific biosystem;

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Function

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

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