Recombinant Human MKNK2 293 Cell Lysate

Cat. No. MKNK2-4301HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for MAP kinase interacting serine/threonine kinase 2 (MKNK2), 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	MKNK2 MAP kinase interacting serine/threonine kinase 2 [Homo sapiens]
Official Symbol	MKNK2
Synonyms	MKNK2; MAP kinase interacting serine/threonine kinase 2; G protein coupled receptor kinase 7 , GPRK7; MAP kinase-interacting serine/threonine-protein kinase 2; MNK2; Putative map kinase interacting kinase; MAPK signal-integrating kinase 2; G protein-coupled receptor kinase 7; MAP kinase signal-integrating kinase 2; GPRK7;
Gene ID	2872
mRNA Refseq	NM_199054
Protein Refseq	NP_951009
MIM	605069
UniProt ID	Q9HBH9
Chromosome Location	19p13.3
Pathway	Insulin signaling pathway, organism-specific biosystem; Insulin signaling pathway, conserved biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem;

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

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