

Recombinant Mouse Mknk1 Protein, Myc/DDK-tagged

Cat. No. Mknk1-4083M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length MAP kinase-interacting serine/threonine kinase 1 (Mknk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a serine-threonine protein kinase that is activated by extracellular signal-regulated kinase or p38 mitogen-activated protein kinases, and it may function in cytokine and environmental stress responses. This kinase is required for phosphorylation of eukaryotic translation initiation factor 4E but it is not required for cell growth during development. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	46.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Mknk1 MAP kinase-interacting serine/threonine kinase 1 [Mus musculus (house mouse)]
Official Symbol	Mknk1
Synonyms	MKNK1; MAP kinase-interacting serine/threonine kinase 1; MAP kinase-interacting serine/threonine-protein kinase 1; MAPK signal-integrating kinase 1; MAP kinase signal-integrating kinase 1; Mnk1; 2410048M24Rik
Gene ID	17346
mRNA Refseq	NM_021461
Protein Refseq	NP_067436
UniProt ID	O08605

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