

Recombinant Human MINK1 Protein (M1-G314), GST tagged

Cat. No. MINK1-1079H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-MAP4K6(M1-G314) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	M1-G314
Description	Serine/threonine kinase which acts as a negative regulator of Ras-related Rap2-mediated signal transduction to control neuronal structure and AMPA receptor trafficking. Required for normal synaptic density, dendrite complexity, as well as surface AMPA receptor expression in hippocampal neurons. Can activate the JNK and MAPK14/p38 pathways and mediates stimulation of the stress-activated protein kinase MAPK14/p38 MAPK downstream of the Raf/ERK pathway. Phosphorylates: TANC1 upon stimulation by RAP2A, MBP and SMAD1. Has an essential function in negative selection of thymocytes, perhaps by coupling NCK1 to activation of JNK1.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80

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	centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	MINK1 misshapen-like kinase 1 [Homo sapiens (human)]
Official Symbol	MINK1
Synonyms	MINK1; misshapen-like kinase 1; misshapen like kinase 1 (zebrafish); B55; MAP4K6; MINK; misshapen/NIK related kinase; YSK2; ZC3; MEKKK 6; MEK kinase kinase 6; GCK family kinase MINK; misshapen/NIK-related kinase; MAPK/ERK kinase kinase 6; serine/threonine protein kinase; mitogen-activated protein kinase kinase kinase 6; hMINK; hMINKbeta; MGC21111;
Gene ID	50488
mRNA Refseq	NM_001024937
Protein Refseq	NP_001020108
MIM	609426
UniProt ID	Q8N4C8

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