

Active Recombinant Human MINK1, GST-tagged

Cat. No. MINK1-1431H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MINK1 (1-320) was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-320 aa
Description	MINK1 is a member of the germinal center family of kinases that are homologous to the Ste20 family and regulate a wide variety of cellular processes, including cell morphology, cytoskeletal rearrangement, and survival. Overexpression of kinase-dead mutants of MINK1 leads to enhanced cell spreading, actin stress fiber formation, adhesion to extracellular matrix and decreased cell motility and invasion. MINK is activated after Ras induction via a mechanism involving reactive oxygen species and mediates stimulation of p38 MAPK downstream of the Raf/ERK pathway.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	19 nmol/min/mg
Molecular Mass	~61 kDa
Purity	>90%

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Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
Gene Name	MINK1 misshapen-like kinase 1 [Homo sapiens]
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
Chromosome Location	17p13.2

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Pathway	Insulin Signaling, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem;
Function	ATP binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; small GTPase regulator activity;

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