

Recombinant Human MINK1, GST-tagged, Active

Cat. No. MINK1-354H **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. MW = 61 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	1-320 a.a.
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.
Sequence	1-320.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

Gene Name	MINK1 misshapen-like kinase 1 (zebrafish) [Homo sapiens]
Synonyms	MINK1; misshapen-like kinase 1 (zebrafish); B55; ZC3; MINK; YSK2; hMINK; MAP4K6; MGC21111; hMINKbeta; GCK family kinase MINK; misshapen/NIK-related kinase; serine/threonine protein kinase; EC 2.7.11.1; MAPK/ERK kinase kinase kinase 6; MEK kinase kinase 6; MEKKK 6; Mitogen-activated protein kinase kinase kinase 6; misshapen-like kinase 1 (zebrafish)
Gene ID	50488
mRNA Refseq	NM_001024937
Protein Refseq	NP_001020108
MIM	609426
UniProt ID	Q8N4C8
Chromosome Location	17p13.2
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; small GTPase regulator activity; transferase activity

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