

## Active Recombinant Human MAP3K14, GST-tagged

Cat. No. MAP3K14-1065H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human NIK (325-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	325-end
<b>Description</b>	This gene encodes mitogen-activated protein kinase kinase kinase 14, which is a serine/threonine protein-kinase. This kinase binds to TRAF2 and stimulates NF-kappaB activity. It shares sequence similarity with several other MAPKK kinases. It participates in an NF-kappaB-inducing signalling cascade common to receptors of the tumour-necrosis/nerve-growth factor (TNF/NGF) family and to the interleukin-1 type-I receptor.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Bio-activity</b>	8 nmol/min/mg
<b>Molecular Mass</b>	~108 kDa
<b>Purity</b>	>85%

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<b>Applications</b>	Kinase Assay; Western Blot
<b>Stability</b>	1 yr at -70oC from date of shipment.
<b>Storage</b>	Store product at -70oC. 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.
<b>Concentration</b>	0.1 ug/ul

## GENE INFORMATION

<b>Gene Name</b>	MAP3K14 mitogen-activated protein kinase kinase kinase 14 [ Homo sapiens ]
<b>Official Symbol</b>	MAP3K14
<b>Synonyms</b>	mitogen-activated protein kinase kinase kinase 14; HS; NIK; HSNIK; FTDCR1B; MAP3K14; NF-kappa-beta-inducing kinase; serine/threonine protein-kinase; serine/threonine-protein kinase NIK; EC 2.7.11.25; Serine/threonine-protein kinase NIK
<b>Gene ID</b>	9020
<b>mRNA Refseq</b>	NM_003954
<b>Protein Refseq</b>	NP_003945
<b>MIM</b>	604655
<b>UniProt ID</b>	Q99558

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<b>Chromosome Location</b>	17q21
<b>Pathway</b>	Apoptosis; Epithelial cell signaling in Helicobacter pylori infection; Intestinal immune network for IgA production; MAPK signaling pathway; T cell receptor signaling pathway
<b>Function</b>	MAP kinase kinase kinase activity; ATP binding; protein binding; protein kinase activity

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