

Active Recombinant Human MAP3K14, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant human NIK (325-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	325-end
Description	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.
Form	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.
Bio-activity	8 nmol/min/mg
Molecular Mass	~108 kDa
Purity	>85%

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

GENE INFORMATION

Gene Name	MAP3K14 mitogen-activated protein kinase kinase kinase 14 [Homo sapiens]
Official Symbol	MAP3K14
Synonyms	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
Gene ID	9020
mRNA Refseq	NM_003954
Protein Refseq	NP_003945
MIM	604655
UniProt ID	Q99558

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

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