

Active Recombinant Human MAP3K14 Protein, His/GST-tagged

Cat. No. MAP3K14-894H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human NIK, full length, amino acids M1-P947 (as in NCBI/Protein entry NP_003945.2), N-terminal GST-HIS6 fusion protein with a Thrombin cleavage site, expressed in Sf9 insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-947 a.a.
Bio-activity	Specific kinase activity (Pi transfer): 1 pmol/g × min ATP-KM: 17 μM
Molecular Mass	133.437 kDa
Storage	At -80 centigrade. For complete recovery, mix well and spin before use. Product must not be stored in diluted solutions, aliquots below 10μ are not advisable. Avoid repeated freeze-thaw cycles!
Concentration	0.131 g/μl
Storage Buffer	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20 % glycerol

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Full Length
Full L.

GENE INFORMATION

Gene Name

MAP3K14 mitogen-activated protein kinase kinase kinase 14 [Homo sapiens (human)]

Official Symbol

MAP3K14

Synonyms

MAP3K14; mitogen-activated protein kinase kinase kinase 14; HS; NIK; HSNIK; FTDCR1B; mitogen-activated protein kinase kinase kinase 14; NF-kappa-beta-inducing kinase; serine/threonine-protein kinase NIK; EC 2.7.11.25

Gene ID

9020

mRNA Refseq

NM_003954

Protein Refseq

NP_003945

MIM

604655

UniProt ID

Q99558

Coomassie stain

**Determination of
Vmax and KM value
for ATP**

Determination of KM value / Specific activity:

• Assay conditions:

60 mM HEPES-NaOH, pH 7.5

3 mM MgCl₂

3 mM MnCl₂

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3 μ M Na-orthovanadate
1.2 mM DTT
50 μ g/ml PEG20.000
ATP (variable)
Substrate: CDC25C-derived peptide, 20 μ g/ml
Kinase: 2 μ g/ml
• Filter binding assay
MSPH membrane (Millipore)