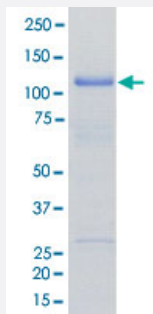


Bioactive

# MAP3K14 (Human) Recombinant Protein

Catalog # P5725      Size 5 ug

## Applications



## Result of activity analysis

Result of activity analysis

## Specification

<b>Product Description</b>	Human MAP3K14 (NP_003945.1, 658 a.a. - 1114 a.a.) partial recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
<b>Host</b>	insect
<b>Theoretical MW (kDa)</b>	96
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus infected insect cell (Sf21) expression system
<b>Purification</b>	Glutathione sepharose chromatography
<b>Purity</b>	76 % by SDS-PAGE/CBB staining.

<b>Activity</b>	The activity was determined by ELISA. The enzyme was incubated with GST-fused substrate protein, and after stopping kinase reaction by EDTA, the reaction solution was transferred into glutathione-coated plate. Phosphorylation was detected by anti-phospho antibody and HRP-labeled anti-rabbit IgG (or HRP-labeled anti-mouse IgG). Substrate : BTN-IKKa [inactive mutant]. ATP: 100 µM.
<b>Quality Control Testing</b>	Loading 1 ug protein in SDS-PAGE
<b>Storage Buffer</b>	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — MAP3K14

<b>Entrez GeneID</b>	<a href="#">9020</a>
<b>Protein Accession#</b>	<a href="#">NP_003945.1</a>
<b>Gene Name</b>	MAP3K14
<b>Gene Alias</b>	FTDCR1B, HS, HSNIK, NIK
<b>Gene Description</b>	mitogen-activated protein kinase kinase kinase 14
<b>Omim ID</b>	<a href="#">604655</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</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 signaling cascade common to receptors of the tumour-necrosis/nerve-growth factor (TNF/NGF) family and to the interleukin-1 type-I receptor. [provided by RefSeq]
<b>Other Designations</b>	serine/threonine protein-kinase

## Pathway

- [Apoptosis](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [MAPK signaling pathway](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Arthritis](#)
- [Disease Susceptibility](#)