

Active Recombinant Human MAP4K3 protein, GST-tagged

Cat. No. MAP4K3-392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAP4K3(1-380 aa) fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-380 a.a.
Description	GLK is a member of the STE20 family of serine/threonine protein kinases and contains N-terminal catalytic domain and C-terminal regulatory domain. GLK is upstream of the MEKK1 target and is stimulated by UV radiation and TNF-and can lead to the activation of the JNK signaling pathway. GLK can directly activate PKC-θ during TCR signaling and people with systemic lupus erythematosus show considerable enhanced GLK expression and activation of PKC-θ and the kinase IKK in T cells. GLK can act as a pro-apoptotic kinase which orchestrates activation of BAX via the concerted posttranscriptional modulation of PUMA, BAD, and BIM.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	92 nmol/min/mg
Molecular Mass	~70 kDa

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Purity	> 70%
Applications	Kinase Assay, Western Blot
Stability	1 year at -70 centigrade from date of shipment.
Storage	Store product at –70 centigrade. 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	0.05µg/µl
GENE INFORMATION	
Gene Name	MAP4K3 mitogen-activated protein kinase kinase kinase 3 [Homo sapiens]
Official Symbol	MAP4K3
Synonyms	MAP4K3; mitogen-activated protein kinase kinase kinase 3; RAB8IPL1; GLK; MAPKKKK3; MEK kinase kinase 3; MAPK/ERK kinase kinase kinase 3; germinal center kinase-like kinase; germinal center kinase-related protein kinase; MEKKK 3;
Gene ID	8491
mRNA Refseq	NM_003618
Protein Refseq	NP_003609
MIM	604921
UniProt ID	Q8IVH8

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Chromosome Location	2p22.3
Pathway	Insulin Signaling, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; TNF receptor signaling pathway, organism-specific biosystem;
Function	ATP binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; small GTPase regulator activity;

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