

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 kinase 3 [Homo sapiens]
Official Symbol	MAP4K3
Synonyms	MAP4K3; mitogen-activated protein kinase 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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