Recombinant Human MAP4K2, GST-tagged

Cat. No. MAP4K2-934H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human MAP4K2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag
Species	Human
Source	Human
Description	MAP4K2 is a serine/threonine protein kinase that is activated by TNFμ and interacts with the TNF receptor-associated factor 2 (TRAF2). MAP4K2 is upstream of MAP kinases and particularly activates the SAPK pathway . Although MAP4K2 is found in many tissues, its expression in lymphoid follicles is restricted to the cells of germinal centre, where it may participate in B-cell differentiation. A mouse protein Rab8ip that has high homology to MAP4K2 can interact with the vesicular transport protein Rab8. Based on its interaction with Rab8, it is postulated that Rab8ip/MAP4K2 may modulate secretion in response to stress stimuli .
Expression System	Sf9 insect cells using baculovirus
Sequence	Full-length
Purity	>80%
Concentration	0.1ug/ul
Applications	Kinase Assay, Western Blot

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Molecular Weight	~125 kDa
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.

GENE INFORMATION

Gene Name	MAP4K2 mitogen-activated protein kinase kinase kinase kinase 2 [Homo sapiens]
Official Symbol	MAP4K2
Synonyms	mitogen-activated protein kinase kinase kinase kinase 2; MAPK/ERK kinase kinase kinase 2; GCK; MEK kinase kinase 2; RAB8IP; MEKKK 2; BL44; EC 2.7.11.1; B lymphocyte serine/threonine-protein kinase; B lymphocyte serine/threonine protein kinase; Germinal center kinase; germinal centre kinase (GC kinase); Rab8-interacting protein; Rab8 interacting protein; GC kinase
Gene ID	5871
mRNA Refseq	NM_004579
Protein Refseq	NP_004570
MIM	603166
UniProt ID	Q12851
Chromosome Location	11q13

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Pathway	Insulin Signaling; organism-specific biosystem; MAPK signaling pathway; conserved biosystem; TNF receptor signaling pathway
Function	ATP binding; mitogen-activated protein kinase kinase kinase binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; small GTPase regulator activity

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