

Recombinant Human Mitogen-Activated Protein Kinase Kinase Kinase Kinase 2, His-tagged

Cat. No. MAP4K2-1263H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full length MAP4K2,His-tagged is expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	MAP4K2 is an enzyme that in humans is encoded by the MAP4K2 gene. The protein encoded by this gene is a member of the serine/threonine protein kinase family. Although this kinase 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. This kinase can be activated by TNF-alpha, and has been shown to specifically activate MAP kinases. This kinase is also found to interact with TNF receptor-associated factor 2 (TRAF2), which is involved in the activation of MAP3K1/MEKK1.
Form	Liquid in 50 mM Tris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT + 50% glycerol.
Molecular Weight	95.6 kDa
Concentration	0.42mg/ml
Specific Activity	728 nmole of phosphate transferred to myelin basic protein (MBP) per minute per mg of total protein at 30°C. Activity determined at a final protein concentration of 3.33

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	µg/ml.
Storage	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
Official Symbol	MAP4K2
nullValue_other	Function ATP binding; mitogen-activated protein kinase kinase binding; nucleotide binding; protein serine/threonine kinase activity; protein binding; small GTPase regulator activity
Full Length	Full L.
GENE INFORMATION	
Gene Name	MAP4K2 mitogen-activated protein kinase kinase kinase 2 [Homo sapiens]
Synonyms	MAP4K2; mitogen-activated protein kinase kinase kinase 2; RAB8IP; BL44; GCK; OTTHUMP00000042793; OTTHUMP00000069727; OTTHUMP00000069728; OTTHUMP00000199616; OTTHUMP00000199613; OTTHUMP00000199614; OTTHUMP00000199615; EC 2.7.11.1; B lymphocyte serine/threonine-protein kinase; Germinal center kinase; GC kinase; MAPK/ERK kinase kinase 2; MEK kinase kinase 2; MEKKK2; Rab8-interacting protein; B lymphocyte serine/threonine protein kinase; germinal centre kinase (GC kinase); EC 2.7.11; Rab8 interacting protein; Germinal centre kinase
Gene ID	5871
mRNA Refseq	NM_004579
Protein Refseq	NP_004570

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MIM	603166
UniProt ID	Q12851
Chromosome Location	11q13.1
Pathway	MAPK signalingpathway; InsulinSignaling; TNF receptor signaling pathway

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