

Recombinant Human Mitogen-Activated Protein 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	<p>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.</p>
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

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	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 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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