Recombinant Human MAP4K2

Cat. No. MAP4K2-28743TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Germinal Center Kinase with N-terminal proprietary tag expressed in a Baculovirus infected Sf9 cell expression system; amino acids 1-820, 125kDa.
Species	Human
ProteinLength	1-820 a.a.
Description	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.
Biological activity	The Specific activity of MAP4K2-28743TH was determined to be 290 nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Full Length	Full L.

GENE INFORMATION

Gene Name	MAP4K2 mitogen-activated protein kinase kinase kinase kinase 2 [Homo sapiens]
Official Symbol	MAP4K2
Synonyms	MAP4K2; mitogen-activated protein kinase kinase kinase kinase 2; RAB8IP; BL44; GCK;
Gene ID	5871
mRNA Refseq	NM_004579
Protein Refseq	NP_004570
MIM	603166
Uniprot ID	Q12851
Chromosome Location	11q13.1
Pathway	Insulin Signaling, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; TNF receptor signaling pathway, organism-specific biosystem;
Function	ATP binding; ATP binding; mitogen-activated protein kinase kinase kinase binding; nucleotide binding; protein binding;

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