Recombinant Human MAP4K2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAP4K2-452H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAP4K2 MS Standard C13 and N15-labeled recombinant protein (NP_004570) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. Alternative splicing results in multiple transcript variants.
Molecular Mass	91.4 kDa
AA Sequence	MALLRDVSLQDPRDRFELLQRVGAGTYGDVYKARDTVTSELAAVKIVKLDPGDDISS LQQEITILRECRHPNVVAYIGSYLRNDRLWICMEFCGGGSLQEIYHATGPLEERQIAY VCREALKGLHHLHSQGKIHRDIKGANLLLTLQGDVKLADFGVSGELTASVAKRRSFIG TPYWMAPEVAAVERKGGYNELCDVWALGITAIELGELQPPLFHLHPMRALMLMSKS SFQPPKLRDKTRWTQNFHHFLKLALTKNPKKRPTAEKLLQHPFTTQQLPRALLTQLL DKASDPHLGTPSPEDCELETYDMFPDTIHSRGQHGPAERTPSEIQFHQVKFGAPRR

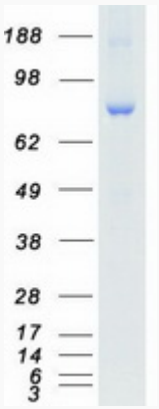
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Email: info@creative-biomart.com Fax: 1-631-938-8127
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	KETDPLNEPWEEEWTLLGKEELSGSLLQSVQEALEERSLTIRSASEFQELDSPDDTM GTIKRAPFLGPLPTDPPAEEPLSSPPGTLPPPPSGPNSSPLLPTAWATMKQREDPER SSCHGLPPTPKVHMGACFSKVFNGCPLRIHAAVTWIHPVTRDQFLVVGAEEGIYTLN LHELHEDTLEKLISHRCSWLYCVNNVLLSLSGKSTHIWAHDLPGLFEQRRLQQQVPL SIPTNRLTQRIIPRRFALSTKIPDTKGCLQCRVVRNPYTGATFLLAALPTSLLLLQWYE PLQKFLLLKNFSSPLPSPAGMLEPLVLDGKELPQVCVGAEGPEGPGCRVLFHVLPLE AGLTPDILIPPEGIPGSAQQVIQVDRDTILVSFERCVRIVNMQGEPTATLAPELTFDFPI ETVVCLQDSVLAFWSHGMQGRSLDTNEVTQEITDETRIFRVLGAHRDIILESIPTDNP EAHSNLYILTGHQSTYTRTRPLEQKLISEEDLAANDILDYKDDDDKV	
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MAP4K2 mitogen-activated protein kinase kinase kinase kinase 2 [Homo sapiens (human)]
Official Symbol	MAP4K2
Synonyms	MAP4K2; mitogen-activated protein kinase kinase kinase kinase 2; RAB8IP; BL44; GCK; MEKKK 2; GC kinase; MEK kinase kinase 2; germinal center kinase; Rab8 interacting protein; rab8-interacting protein; MAPK/ERK kinase kinase kinase 2;

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	germinal centre kinase (GC kinase); B lymphocyte serine/threonine protein kinase; b lymphocyte serine/threonine-protein kinase;
Gene ID	5871
mRNA Refseq	NM_004579
Protein Refseq	NP_004570
MIM	603166
UniProt ID	Q12851
SDS-PAGE	

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