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Product datasheet for PH317608

Germinal Center Kinase (MAP4K2) (NM_004579) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MAP4K2 MS Standard C13 and N15-labeled recombinant protein (NP_004570)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217608
Predicted MW:	91.4 kDa
Protein Sequence:	>RC217608 representing NM_004579 Red=Cloning site Green=Tags(s) MALLRDVSLQDPRDRFELLQRVGAGTYGDVYKARDTVTSELAAVKIVKLDPGDDISSLQQEITILRECRH PNVVAYIGSYLRNDRLWICMEFCGGGSLQEIYHATGPLEERQIAYVCREALKGLHHLHSQGKIHRDIKGA NLLLTLQGDVKLADFGVSGELTASVAKRRSFIGTPYWMAPEVAAVERKGGYNELCDVWALGITAIELGEL QPPLFHLHPMRALMLMSKSSFQPPKLRDKTRWTQNFHHFLKLALTKNPKKRPTAEKLLQHPFTTQQLPRA LLTQLLDKASDPHLGTPSPEDCELETYDMFPDTIHSRGQHGPAERTPSEIQFHQVKFGAPRRKETDPLNE PWEEEWTLLGKEELSGSLLQSVQEALEERSLTIRSASEFQELDSPDDTMGTIKRAPFLGPLPTDPPAEEP LSSPPGTLPPPPSGPNSSPLLPTAWATMKQREDPERSSCHGLPPTPKVHMGACFSKVFNGCPLRIHAAVT WIHPVTRDQFLVVGAEEGIYTLNLHELHEDTLEKLISHRCSWLYCVNNVLLSLSGKSTHIWAHDLPGLFE QRRLQQQVPLSIPTNRLTQRIIPRRFALSTKIPDTKGCLQCRVVRNPYTGATFLLAALPTSLLLLQWYEP LQKFLLLKNFSSPLPSPAGMLEPLVLDGKELPQVCVGAEGPEGPGCRVLFHVLPLEAGLTPDILIPPEGI PGSAQQVIQVDRDTILVSFERCVRIVNMQGEPTATLAPELTFDFPIETVVCLQDSVLAFWSHGMQGRSLD TNEVTQEITDETRIFRVLGAHRDIILESIPTDNPEAHSNLYILTGHQSTY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004570

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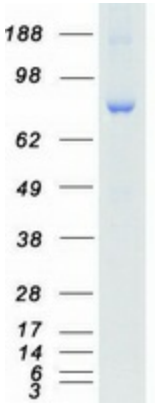
RefSeq Size:	2964
RefSeq ORF:	2460
Synonyms:	BL44; GCK; RAB8IP
Locus ID:	5871
UniProt ID:	Q12851, A0A024R567
Cytogenetics:	11q13.1
Summary:	The protein encoded by this gene is a member of the serine/threonine protein kinase family. Although this kinase is found in many tissues, its expression in lymphoid 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. [provided by RefSeq, Apr 2015]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	MAPK signaling pathway

Product images:



Coomassie blue staining of purified MAP4K2 protein (Cat# [TP317608]). The protein was produced from HEK293T cells transfected with MAP4K2 cDNA clone (Cat# [RC217608]) using MegaTran 2.0 (Cat# [TT210002]).