

## Product datasheet for TP317608

### Germinal Center Kinase (MAP4K2) (NM\_004579) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitogen-activated protein kinase kinase kinase kinase 2 (MAP4K2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217608 representing NM_004579 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MALLRDVSLQDPRDRFELLQRVGAGTYGDVYKARDTVTSELAAVKIVKLDPGDDISSLQQEITILRECRH  
PNVVAYIGSYLRNDRLWICMEFCGGGSLQEYHATGPLEERQIAYVCREALKGLHHLHSQGKIHRDIKGA  
NLLLTLQGDVKLADFGVSGELTASVAKRRSFIGTPYWMapevaaverkGGYNELCDVWALGITAIELGEL  
QPPLFHLHPMRALMLMSKSSFQPPKLRDKTRWTQNFHHFLKLALTKNPKKRPTAEKLLQHPFTTQQLPR  
A  
LLTQLLDKASDPHLGTPSPEDCELETYDMFPDTIHSRGQHGAERTPSEIQFHQVKGAPRRKETDPLNE  
PWEEEWTLGKEELSGSLLQSVQEALEERSLTIRSASEFQELDSPDDTMGTIKRAPFLGPLPTDPPAEEP  
LSSPPGTLPPPPSGPNSSPLLPTAWATMKQREDPERSSCHGLPPTPKVHMGACFSKVFNCGPLRIHAAVT  
WIHPVTRDQFLVWGAEEGIYTLNLHELHEDTLEKLISHRCSWLYCVNNVLLSLSGKSTHIWAHDLPLGLFE  
QRRLLQQVPLSIPTNRLTQRIIPRRFALSTKIPDTKGCLQCRVVRNPYTGATFLLAALPTSLLLLQWYEP  
LQKFLLLKNFSSPLPSPAGMLEPLVLDGKELPQVCVGAEGPEGPGCRVLFHVLPLEAGLTPDILIPPEGI  
PGSAQQVIQVDRDTILVSFERCVRIVNMQGEPTATLAPELTFDFPIETVVCLQDSVLAFWSHGMQGRSLD  
TNEVTQEITDETRIFRVLGAHRDIILESIPDNPEAHSNLYILTGHQSTY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	91.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004570</a>
<b>Locus ID:</b>	5871
<b>UniProt ID:</b>	<a href="#">Q12851</a>
<b>RefSeq Size:</b>	2964
<b>Cytogenetics:</b>	11q13.1
<b>RefSeq ORF:</b>	2460
<b>Synonyms:</b>	BL44; GCK; RAB8IP
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	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]).