

Product datasheet for PH323988

MEKK2 (MAP3K2) (NM_006609) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MAP3K2 MS Standard C13 and N15-labeled recombinant protein (NP_006600)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223988
Predicted MW:	69.6 kDa
Protein Sequence:	>RC223988 representing NM_006609 Red=Cloning site Green=Tags(s)

MDDQQALNSIMQDLAVLHKASRPALSLQETRKAKSSSPKKQNDVRVKFEHRGKRLIQFPRPVKLEDLRS
KAKIAFGQSMDLHYTNNELVIPLTTQDDLKAVELLDRSIHMKSLKILLVINGSTQATNLEPLPSLEDLD
NTVFGAERKKRLSIIGPTSRDRSSPPPGYIPDELHQVARNGSFTSINSEGEFIPESMDQMLDPLSLSSPE
NSGSGSCPSLDSPLDGESYPKSRMPRAQSYDPNHQEFSDYDNPIFEKFGKGGTYPRRYHVSYHHQEYNDG
RKTFPRARRTQGTSLRSPVSFSPDHSLSSTSSGSSIFTPEYDDSRIRRRGSDIDNPTLTVMDISPPSRSP
RAPTNWRLGKLLGQAFGRVYLCYDVTGRELAVKQVQFDPDPSSETSKEVNALECEIQLLKNLLHERIVQ
YYGCLRDPQEKTLSEIFMEYMPGGSIKDQLKAYGALTENVTRKYTRQILEGVHYLHNSMIVHRDIKGANIL
RDSTGNVKLGDFGASKRLQITICLSGTGMKSVTGTPTYWMSPEVISGEGYGRKADIWSVACTVVEMLTEKPP
WAEFEAMAAIFKIATQPTNPKLPPHVSDYTRDFLKRIFVEAKLRPSADELLRHMVHYH

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_006600
RefSeq Size:	3336
RefSeq ORF:	1857



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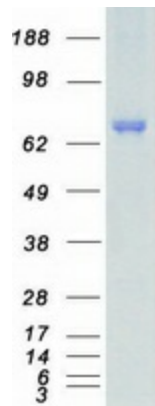
Synonyms: MEKK2; MEKK2B
Locus ID: 10746
UniProt ID: [Q9Y2U5](#), [A0A024RAH0](#)
Cytogenetics: 2q14.3

Summary: The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase preferentially activates other kinases involved in the MAP kinase signaling pathway. This kinase has been shown to directly phosphorylate and activate I kappa B kinases, and thus plays a role in NF-kappa B signaling pathway. This kinase has also been found to bind and activate protein kinase C-related kinase 2, which suggests its involvement in a regulated signaling process. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Gap junction, GnRH signaling pathway, MAPK signaling pathway

Product images:



Coomassie blue staining of purified MAP3K2 protein (Cat# [TP323988]). The protein was produced from HEK293T cells transfected with MAP3K2 cDNA clone (Cat# [RC223988]) using MegaTran 2.0 (Cat# [TT210002]).