

Recombinant Human MAP3K2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAP3K2-897H Lot. No. (See product label)

SPECIFICATION

Product Overview

MAP3K2 MS Standard C13 and N15-labeled recombinant protein (NP_006600) 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 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.

Molecular Mass

69.6 kDa

AA Sequence

MDDQQALNSIMQDLAVLHKASRPALSLQETRKAKSSSPKKQNDVRVKFEHRGEKRI
LQFPRPVKLEDLRSKAKIAFGQSM DLHYTNNELVIPLTTQDDLDKAVELLD RSIHMKS
LKILLVINGSTQATNLEPLPSLEDLDNTVF GAERKKRLSIIGPTSRDRSSPPPGYIPDEL
HQVARNGSFTSINSEGEFIPESMDQMLDPLSLSSPENSGSGSCPSLDSPLDGESYP
KSRMPRAQSYPDNHQEFSDYDNPIFEKFGKGGTYPRRYHVSYHHQEYNDGRKTFP
RARRTQGTSLRSPVFSPTDHSLSSTSSGSSIFTPEYDDSRIRRRGSDIDNPTLTVM DI
SPPSRSPRAPTNWRLGKLLGQGAFGRVYLCYD VDTGRELAVKQVQFDPD SPETSK

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EVNALECEIQLLKNLLHERIVQYYGCLRDPQEKTLISIFMEYMPGGSIKDQLKAYGALT
 ENVTRKYTRQILEGVHYLHSNMIVHRDIKGANILRDSTGNVKLGDGFGASKRLQTICLS
 GTGMKSVTGPYWMSPEVISGEGYGRKADIWSVACTVVEMLTEKPPWAEFEAMAA
 IFKIATQPTNPKLPPHVSDYTRDFLKRIFVEAKLRPSADELLRHMVFVHYHTRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

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 [MAP3K2 mitogen-activated protein kinase kinase kinase 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [MAP3K2](#)

Synonyms MAP3K2; mitogen-activated protein kinase kinase kinase 2; MEKK2; MAP/ERK kinase kinase 2; MEKK2B; MEKK 2; MEK kinase 2; MAPK/ERK kinase kinase 2;

Gene ID [10746](#)

mRNA Refseq [NM_006609](#)

Protein Refseq [NP_006600](#)

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MIM 609487

UniProt ID Q9Y2U5

SDS-PAGE



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