

Recombinant Human MKNK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MKNK1-3280H Lot. No. (See product label)

SPECIFICATION

Product Overview

MKNK1 MS Standard C13 and N15-labeled recombinant protein (NP_003675) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a Ser/Thr protein kinase that interacts with, and is activated by ERK1 and p38 mitogen-activated protein kinases, and thus may play a role in the response to environmental stress and cytokines. This kinase may also regulate transcription by phosphorylating eIF4E via interaction with the C-terminal region of eIF4G. Alternatively spliced transcript variants have been noted for this gene.

Molecular Mass

51.3 kDa

AA Sequence

MVSSQKLEKPIEMGSSEPLPIADGDRRRKKRRGRATDSLPGKFEDMYKLTSELLG
EGAYAKVQGA VSLQNGKEYAVKII EKQAGHSRSRVFRE VETLYQCQGNK NILELIEFF
EDDTRFYLVFEKLQGG SILAHIQKQKHFNEREASRVVRDVAAALDFLHTKDKVSLCH
LGWSAMAPSGLTAAPTSLGSSDPPTSASQVAGTTGIAHRDLKPENILCESPEKVSPV
KICDFDLGSGMKLNN SCTPITTPELTTPCGSAEYMAPEVVEVFTDQATFYDKRCDLW
SLGVVLYIMLSGYPPFVGHCGADCGWDRGEVCRVCQNKL FESIQEGKYEFDPKDW
AHISSEAKDLISKLLVRDAKQRLSAAQVLQHPWVQGQAPEKGLPTPQVLQRNSSTM
DLTLFAAEAIALNRQLSQHEENELAEPEALADGLCSMKLSPPCKSRLARRRALAQA

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GRGEDRSPPTALTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [MKNK1 MAP kinase interacting serine/threonine kinase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [MKNK1](#)

Synonyms MKNK1; MAP kinase interacting serine/threonine kinase 1; MAP kinase-interacting serine/threonine-protein kinase 1; MNK1; MAPK signal-integrating kinase 1; MAP kinase signal-integrating kinase 1;

Gene ID [8569](#)

mRNA Refseq [NM_003684](#)

Protein Refseq [NP_003675](#)

MIM [606724](#)

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UniProt ID

Q9BUB5

SDS-PAGE



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