

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 EGAYAKVQGAVSLQNGKEYAVKIIKQAGHSRSRVFREVELTYQCQGNKNILELIEFF EDDTRFYLVFEKLQGGSI LAHIQKQKHFNEREASRVVRDVAAALDFLHTKDKVSLCH LGWSAMAPSGLTAAPTS LGSSDPPTSASQVAGTTGIAHRDLKPENILCESPEKVSPV KICDFDLGSGMKLNNSCTPITTPELTTPCGSAEYMAPEVVEVFTDQATFYDKRCDLW SLGVVLYIMLSGYPPFVGHC GADCGWDRGEVCRVCQNKLFESI QEGKYEFDPKDW AHISSEAKDLISKLLVRDAKQRLSAAQVLQHPWVQGGAPEKGLPTPQVLQRNSSTM DLT LFAAEAI ALNRQLSQHEENELAE EPEALADGLCSMKLSPPCKSRLARRRALAQA

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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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