

Recombinant Full Length Human MKNK1 Protein, GST-tagged

Cat. No. MKNK1-6277HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MKNK1 full-length ORF (AAH02755.1, 1 a.a. - 465 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	465 amino acids
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. [provided by RefSeq, Jan 2012]
Molecular Mass	76.89 kDa
AA Sequence	MVSSQKLEKPIEMGSSEPLPIADGDRRRKKRRRGRATDSLPGKFEDMYKLTSELLG EGAYAKVQGAVSLQNGKEYAVKIIIEKQAGHSRSRVFREVETLYQCQRNKNILELIEFF EDDTRFYLVFEKLQGGSI LAHIQKQKHFNEREASRVVVRGVAAALDFLHTKDKVSLCH LGWSAMAPSGLTAAP TSLGSSDPPTSASQVAGTTGIAHRDLKPENILCESPEKVSPV KICDFDLGSGMKLNN SCTPITPELTTPCGSAEYMAPEVVVEVFTDQATFYDKRCDLW SLGVVLYIMLSGYPPFVGHCGADCGWDRGEVCRVCQNKLFESIQEGKYEFDPKDW AHISSEAKDLISKLLVRDAKQRLSAAQVLQHPWVQGAPEKGLPTPQVLQRNSSTM

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DLTLFAAEAIALNRLLSQHEENELAEPEALADGLCSMKLSPPCKSRLARRRALAQA
GRGEDRSPPTAL

Applications
Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes
Best use within three months from the date of receipt of this protein.

Storage
Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer
50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name
MKNK1 MAP kinase interacting serine/threonine kinase 1 [Homo sapiens]

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_001135553

Protein Refseq
NP_001129025

MIM
606724

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UniProt ID

Q9BUB5

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