

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
ProteinLength	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 EGAYAKVQGAVSLQNGKEYAVKIIKQAGHSRVRVFREVELTYQCQRNKNILELIEFF EDDTRFYLVFEKLQGGSILAHIQKQKHFNEREASRVVRGVAAALDFLHTKDKVSLCH LGWSAMAPSGLTAAPTSLGSSDPPTSASQVAGTTGIAHRDLKPENILCESPEKVSPV KICDFDLGSGMKLNNSCTPITTPELTTPCGSAEYMAPEVVEVFTDQATFYDKRCDLW SLGVVLYIMLSGYPPFVGHCADCGWDRGEVCRVCQNKLFEISIQEGKYEFPDKDW AHISSEAKDLISKLLVRDAKQRLSAAQVLQHPWVQGQAPEKGLPTPQVLQRNSSTM

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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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