

Recombinant Full Length Human MKNK1 Protein, C-Flag-tagged

Cat. No. MKNK1-682HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MKNK1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	51.2 kDa
AA Sequence	MVSSQKLEKPIEMGSSEPLPIADGDRRRKKRRRGRATDSLPGKFEDMYKLTSELLG EGAYAKVQGAVSLQ NGKEYAVKIIKQAGHSRSRVFREVELTYQCQGNKNILELIEF FEDDTRFYLVFEKLQGGSIHAHIQKQK HFNEREASRVVRDVAAALDFLHTKDKVSLC HLGWSAMAPSGLTAAPTSLGSSDPPTSASQVAGTTGIAHR DLKPENILCESPEKVS PVKICDFDLGSGMKLNNSCTPITTPELTTPCGSAEYMAPEVVEVFTDQATFYDK RC DLWSLGVVLYIMLSGYPPFVGHCADCGWDRGEVCRVCQNKLFEISIQEGKYEFPD KDWAHISSEAKDL ISKLLVRDAKQRLSAAQVLQHPWVQGGQAPEKGLPTPQVLQRN

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SSTMDLTLFAAEAIALNRQLSQHEENEL
AEEPEALADGLCSMKLSPPCKSRLARRRALAQAGRGEDRSPTALTRTRPLEQKLIS
EEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Protein Pathways	Insulin signaling pathway, MAPK signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	MKNK1 MAPK interacting serine/threonine kinase 1 [Homo sapiens (human)]
Official Symbol	MKNK1
Synonyms	MNK1
Gene ID	8569

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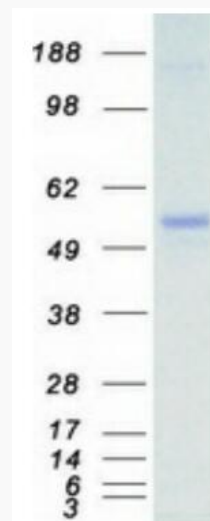
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mRNA Refseq [NM_003684.7](#)

Protein Refseq [NP_003675.3](#)

MIM [606724](#)

UniProt ID [Q9BUB5](#)



Coomassie blue staining of purified MKNK1 protein.

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