

Product datasheet for TP301149

MNK1 (MKNK1) (NM_003684) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human MAP kinase interacting serine/threonine kinase 1 (MKNK1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201149 protein sequence Red =Cloning site Green =Tags(s)
	<p>MVSSQKLEKPIEMGSSEPLPIADGDRRRKKRRRGRATDSLPGKFEDMYKLTSELLGEGAYAKVQGA VSLQ NGKEYAVKIIKQAGHSRSRVFREVETLYQCQGNKNILELIEFFEDDTRFYL VFEKLGGSILAHIQKQK HFNEREASRVRDVAAALDFLHTKDKVSLCHLGWSAMAPSGLTAAPTSLGSSDPPTSASQVAGTTGIAHR DLKPENILCESPEKVPVKICDFDLGSGMKLNNSCTPITTPELTTPCGSAEYMAPEVVEVFTDQATFYDK RCDLWSLGVVLYIMLSGYPPFVGHCADCGWDRGEVCRVCQNKLFESIQEGKYEPDKDWAHISSEAKDL ISKLLVRDAKQRLSAAQVLQHPWVQGGQAPEKGLPTPQVLQRNSSTMDLTLFAAEAIALNRQLSQHEENEL AEEPEALADGLCSMKLSPPCKSRLARRRALAQAGRGEDRSPTAL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	51.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq: [NP_003675](#)

Locus ID: 8569

UniProt ID: [Q9BUB5](#)

RefSeq Size: 2827

Cytogenetics: 1p33

RefSeq ORF: 1395

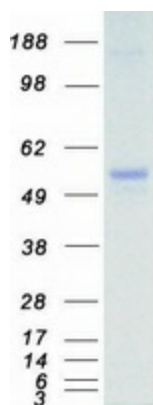
Synonyms: MNK1

Summary: 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]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Insulin signaling pathway, MAPK signaling pathway

Product images:



Coomassie blue staining of purified MNK1 protein (Cat# TP301149). The protein was produced from HEK293T cells transfected with MNK1 cDNA clone (Cat# [RC201149]) using MegaTran 2.0 (Cat# [TT210002]).