

Product datasheet for PH301149

MNK1 (MKNK1) (NM_003684) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MKNK1 MS Standard C13 and N15-labeled recombinant protein (NP_003675)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201149
Predicted MW:	51.3 kDa
Protein Sequence:	>RC201149 protein sequence Red=Cloning site Green=Tags(s)

MVSSQKLEKPIEMGSSEPLPIADGDRRRKKRRGRATDSLPGKFEDMYKLTSELLGEGAYAKVQGAVSLQ
NGKEYAVKIIIEKQAGHSRSRVFREVETLYQCQGNKILELIEFFEDDTRFYLVFEKLQGGSILAHIQKQK
HFNEREASRVVRDVAALDFLHTKDKVSLCHLGWSAMAPSGLTAAPTSLGSSDPPTASQVAGTTGIAHR
DLKPENILCESPEKVPVKICDFDLGSGMKLNNSCTPITTPELTTPCGSAEYMAPEVVEVFTDQATFYDK
RCDLWSLGVVLYIMLSGYPPFVGHGADCGWDRGEVCRVCQNKLFESIQEGKYEFDPKDWAHISSEAKDL
ISKLLVRDAKQRLSAAQVLQHPWVQQAPEKGLPTPQVLQRNSSTMDLTLFAAEAIALNRQLSQHEENEL
AEEPEALADGLCSMKLSPPCKSRLARRRALAQAGRGEDRSPTAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003675</u>
RefSeq Size:	2827
RefSeq ORF:	1395
Synonyms:	MNK1



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Locus ID: 8569

UniProt ID: [Q9BUB5](#)

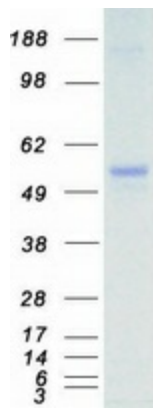
Cytogenetics: 1p33

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]).