

Datasheet for ABIN7549486
MKNK1 Protein (AA 1-465) (His tag)



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Overview

Quantity:	1 mg
Target:	MKNK1
Protein Characteristics:	AA 1-465
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MKNK1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MKNK1 Protein expressed in mammalien cells.
Sequence:	MVSSQKLEKP IEMGSSEPLP IADGDRRRKK KRRGRATDSL PGKFEDMYKL TSELLGEGAY AKVQGAVSLQ NGKEYAVKII EKQAGHSRSR VFREVETLYQ CQGNKNILEL IEFFEDDTRF YLVFEKLQGG SILAHIQKQK HFNEREASRV VRDVAAALDF LHTKDKVSLC HLGWSAMAPS GLTAAPTSLG SSDPPTSASQ VAGTTGIAHR DLKPENILCE SPEKVSPVKI CDFDLGSGMK LNNSCTPITT PELTTPCGSA EYMAPEVVEV FTDQATFYDK RCDLWSLGVV LYIMLSGYPP FVGHCGADCG WDRGEVCRVC QNKLFESIQE GKYEFDPKDW AHISSEAKDL ISKLLVRDAK QRLSAAQVLQ HPWVQGQAPE KGLPTPQVLQ RNSSTMDLTL FAAEIALNR QLSQHEENEL AEEPEALADG LCSMKLSPPC KSRLARRRAL AQAGRGEDRS PPTAL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

MKNK1

Alternative Name:

MKNK1 ([MKNK1 Products](#))

Background:

MAP kinase-interacting serine/threonine-protein kinase 1 (EC 2.7.11.1) (MAP kinase signal-integrating kinase 1) (MAPK signal-integrating kinase 1) (Mnk1),FUNCTION: May play a role in the response to environmental stress and cytokines. Appears to regulate translation by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap. {ECO:0000269|PubMed:11463832, ECO:0000269|PubMed:15350534, ECO:0000269|PubMed:9155018, ECO:0000269|PubMed:9878069}.

Molecular Weight:

51.3 kDa

UniProt:

[Q9BUB5](#)

Pathways:

[MAPK Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [Toll-Like Receptors Cascades](#), [Signaling of Hepatocyte Growth Factor Receptor](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
