



Recombinant Human MKNK1 Protein Product Manual

1. Product Basic Information

Product No.: REP07462

Protein Name: Mapk Signal-Integrating Kinase Map Kinase Signal-Integrating Kinase Mapk Interacting Serine/Threonine Kinase Map Kinase Interacting Serine/Threonine Kinase Map Kinase-Interacting Serine/Threonine-Protein Kinase 1 (MKNK1)

Aliases: MAPK signal-integrating kinase MAP kinase signal-integrating kinase MAPK interacting serine/threonine kinase MAP kinase interacting serine/threonine kinase MAP kinase-interacting serine/threonine-prot...

UniProt ID: Q9BUB5

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9BUB5/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-465aa)

Molecular Weight: 58.2 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-465aa)

MVSSQKLEKPIEMGSSEPLPIADGDRRRKKKRRGRATDSLPGKFEDMYKLTSSELLG
EGAYAKVQGAVSLQNGKEYAVKIIKQAGHSRSRVFREVETLYQCQGNKNILELIEF
FEDDTRFYLVFEKLQGGSLAHIQKQKHFNEREASRVVRDVAALDFLHTKDKVSLC
HLGWSAMAPSGLTAAPTSLGSSDPPTSASQVAGTTGIAHRDLKPENILCESPEKVS
PVKICDFDLGSGMKLNNSCTPITPELTTPCGSAEYMAPEVVEVFTDQATFYDKRC
DLWSLGVVLYIMLSGYPPFVGHCADCGWDRGEVCRVCQNKLFEISIQEGKYEFPD
KDAWHISSEAKDLISKLLVRDAKQRLSAAQVLQHPWVQGAPEKGLPTPQVLQRN
SSTMDLTLFAEAIALNRQLSQHEENELAEPEALADGLCSMKLSPPCKSRLARRR
ALAQAGRGEDRSPPTAL

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human MKNK1 full length protein (1-465aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. MKNK1, also known as MAPK signal-integrating kinase MAP kinase signal-integrating kinase MAPK interacting serine/threonine kinase MAP kinase interacting serine/threonine kinase MAP kinase-interacting serine/threonine-protein kinase 1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.