

Recombinant Human MAP Kinase Interacting Serine/Threonine Kinase 1, GST-tagged

Cat. No. MKNK1-1061H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human MKNK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	MKNK1 (MAP kinase-interacting kinase 2) is a MAP kinase interacting serine/threonine kinase 1 that isolated by a novel expression screening method for identifying the protein kinase substrates. MKNK1 expressed in all tissues with the highest level of expression in skeletal muscle.
Applications	Kinase Assay; Western Blot
Molecular Weight	92 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Specific Activity	20 nmol/min/mg
Purity	> 85%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Concentration	0.1 ug/ul
Sequences	full-length
Storage	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	MKNK1 MAP kinase interacting serine/threonine kinase 1 [Homo sapiens]
Official Symbol	MKNK1
Synonyms	MKNK1; MAP kinase interacting serine/threonine kinase 1; MNK1; MKNK1; MAP kinase interacting kinase 1; EC 2.7.11.1; Mnk1; OTTHUMP00000009674; MAP kinase signal-integrating kinase 1; MAP kinase-interacting serine/threonine kinase 1
Gene ID	8569
mRNA Refseq	NM_001135553
Protein Refseq	NP_001129025
MIM	606724
UniProt ID	Q9BUB5
Chromosome Location	1p33
Pathway	Insulin signaling pathway; MAPK signaling pathway; IL-2 Signaling Pathway; Signaling

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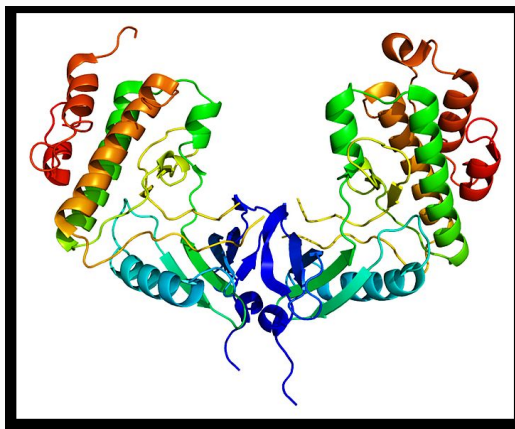
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mediated by p38-alpha and p38-beta; p38 MAPK Signaling Pathway

Function

ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

PDB rendering
based on 2hw6.



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