

Recombinant Human Mitogen-Activated Protein Kinase Kinase Kinase 10, His-tagged

Cat. No. MAP3K10-1256H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human MAP3K10 with N-terminal His tag is expressed in Sf9 insect cells.
Species	Human
Source	Sf9 Cells
Description	The protein encoded by this gene is a member of the serine/threonine kinase family. This kinase has been shown to activate MAPK8/JNK and MKK4/SEK1, and this kinase itself can be phosphorylated, and thus activated by JNK kinases. This kinase functions preferentially on the JNK signaling pathway, and is reported to be involved in nerve growth factor (NGF) induced neuronal apoptosis.
Form	Liquid in 50 mM sodium phosphate, pH 7.0 + 300 mM NaCl + 150 mM imidazole + 0.1 mM PMSF + 0.2 mM DTT + 25% glycerol.
Molecular Weight	~ 47 kDa
Purity	> 90% by densitometry.
Concentration	0.2 mg/ml
Storage	Centrifuge vial prior to opening. Store product at -80°C. For optimal storage, aliquot target into smaller quantities and store at recommended temperature. Avoid repeated

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freeze-thawcycles.

OfficialSymbol MAP3K10

nullValue_other Function ATP binding; JUNkinase kinase kinase activity; bHLH transcription factor binding; protein homodimerizationactivity; protein kinase activity; transcription corepressor activity; nucleotidebinding; protein serine/tyreonine kinase activity

GENE INFORMATION

Gene Name MAP3K10 mitogen-activatedprotein kinase kinase kinase 10 [Homo sapiens]

Synonyms MAP3K10; mitogen-activatedprotein kinase kinase kinase 10; MST; MLK2; MEKK10; mixed lineage kinase 2;MKN28 derived nonreceptor type serine/threonine kinase; MKN28 kinase; proteinkinase MST; EC 2.7.11.25

Gene ID 4294

mRNA Refseq NM_002446

Protein Refseq NP_002437

MIM 600137

UniProt ID Q02779

Chromosome Location 19q13.2

Pathway Insulin Signaling;p38 MARK signaling pathway

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