

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full-length human MAP3K10 with N-terminal His tag is expressed in Sf9 insect cells.                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Sf9 Cells                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 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.                                                                                                                                                                                                                                                                            |
| <b>Molecular Weight</b> | ~ 47 kDa                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 90% by densitometry.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Concentration</b>    | 0.2 mg/ml                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | 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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