

Recombinant Human Mitogen-Activated Protein Kinase Kinase Kinase 11, GST-tagged

Cat. No. MAP3K11-1257H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinanthuman full length MAP3K11, GST-tagged, is expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-847 aa
Description	MAP3K11 is a serine/threonine kinase that activates both the p38 MAP kinase and c-Jun kinase pathways. The protein encoded by this gene is a member of the serine/threonine kinase family. This kinase contains a SH3 domain and a leucine zipper-basic motif. This kinase preferentially activates MAPK8/JNK kinase, and functions as a positive regulator of JNK signaling pathway. This kinase can directly phosphorylate, and activates I κ B kinase alpha and beta, and is found to be involved in the transcription activity of NF- κ B mediated by Rho family GTPases and CDC42.
Form	Liquid in 50 mM Tris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT + 50% glycerol.
Molecular Weight	120.1 kDa
Specific Activity	43 nmole of phosphate transferred to myelin basic protein (MBP) per minute per mg of total protein at 30°C. Activity determined at a final protein concentration of 8.33 μ g/ml.

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Concentration	0.15mg/ml
Storage	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
Official Symbol	MAP3K11
nullValue_other	Function ATP binding; JUNkinase kinase kinase activity; Eac GTPase binding; identical protein binding; mitogen-activated protein kinase kinase kinase binding; mitogen-activated protein kinase kinase binding; protein kinase activity; nucleotide binding; protein serine/tyrosine kinase activity; protein homodimerization activity; protein tyrosine kinase activity
Full Length	Full L.

GENE INFORMATION

Gene Name	MAP3K11 mitogen-activated protein kinase kinase kinase 11 [Homo sapiens]
Synonyms	MAP3K11; mitogen-activated protein kinase kinase kinase 11; MLK3; PTK1; SPRK; MLK-3; MEKK11; MGC17114; OTTHUMP00000233249; OTTHUMP00000233268; mixed lineage kinase 3; protein-tyrosine kinase PTK1; SH3 domain-containing proline-rich kinase; src-homology 3 domain-containing proline-rich kinase; EC 2.7.11.25
Gene ID	4296
mRNA Refseq	NM_002419
Protein Refseq	NP_002410
MIM	600050

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UniProt ID Q16584

**Chromosome
Location** 11q13.1-q13.3

Pathway Insulin Signaling; MARKsignaling pathway; CDC42 signaling events; IFN-gamma pathway; RAC1 signalingpathway; Reelin signaling pathway; superpathway of gluconate degradation

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