

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	MAP3K11is a serine/threonine kinase that activates both the p38 MAP kinase and c-Junkinase pathways. The protein encoded by this gene is a member of theserine/threonine kinase family. This kinase contains a SH3 domain and aleucine zipper-basic motif. This kinase preferentially activates MAPK8/JNKkinase, and functions as a positive regulator of JNK signaling pathway. Thiskinase can directly phosphorylate, and activates IkappaB kinase alpha andbeta, and is found to be involved in the transcription activity of NF-kappaBmediated by Rho family GTPases and CDC42.
Form	Liquid in50 mM Tris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mMDTT + 50% glycerol.
Molecular Weight	120.1 kDa
Specific Activity	43 nmoleof phosphate transferred to myelin basic protein (MBP) per minute per mg of totalprotein at 30°C. Activity determined at a final protein concentration of 8.33µg/ml.

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Concentration	0.15mg/ml		
Storage	Stablefor 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		
OfficialSymbol	MAP3K11		
nullValue_other	Function	ATP binding; JUNkinase kinase kinase activity; Eac GTPase binding; identical protein binding;mitogen-activated protein kinase kinase kinase binding; mitogen-activatedprotein kinase kinase binding; protein kinase activity; nucleotide binding; prot einserine/tyreonine kinase activity; protein homodimerization activity; proteintyros ine kinase activity	
Full Length	Full L.		
GENE INFORMATION			
Gene Name	MAP3K11 mitogen-activatedprotein kinase kinase kinase 11 [Homo sapiens]		
Synonyms	MAP3K11; mitogen-activatedprotein kinase kinase kinase 11; MLK3; PTK1; SPRK; MLK-3; MEKK11;MGC17114; OTTHUMP00000233249; OTTHUMP00000233268; mixed lineage kinase 3; protein-tyrosinekinase PTK1; SH3 domain-containing proline-rich kinase; src-homology 3domain-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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