

Recombinant Human Mitogen-Activated Protein Kinase Kinase Kinase 3, GST-tagged

Cat. No. MAP3K3-1259H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman full length MAP3K2 with N-terminal GST tag is expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	MAP3K3directly regulates MAPK8 and extracellular signal-regulated protein kinase(ERK) pathways by phosphorylating multiple MAP2Ks.
Form	Liquid in50 mM Tris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT+ 50% glycerol.
Molecular Weight	99.8 kDa
Purity	≥ 90% as determinedby SDS-PAGE analysis.
Specific Activity	20 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.
Concentration	0.22mg/ml
Storage	Stablefor 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

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OfficialSymbol	MAP3K3		
nullValue_other	Function	ATP binding; MAPkinase kinase kinase activity; metal ion binding; protein kinase activity; nucleotidebinding; protein serine/tyreonine kinase activity	
Full Length	Full L.		
GENE INFORMATION			
Gene Name	MAP3K3 mitogen-activated proteinkinase kinase kinase 3 [Homo sapiens]		
Synonyms	MAP3K3; mitogen-activatedprotein kinase kinase kinase 3; MEKK3; MAPKKK3; MAPK/ERKkinase kinase 3; EC 2.7.11.25; MEK kinase 3; MAP/ERK kinasekinase 3		
Gene ID	4215		
mRNA Refseq	NM_002401		
Protein Refseq	NP_002392		
MIM	609487		
UniProt ID	Q99759		
Chromosome Location	17q23.3		
Pathway	Cytokine Signalingin Immune system; EGFR1 Signaling Pathway; ErbB1 downstream signaling; Gapjunction; GnRH signaling pathway; HTLV-I infection; IL1-mediatedsignaling events; Immune System; Interleukin-1signaling;Neurotrophinsignaling pathway; Regulation of p38-alpha and p38-beta;		

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Signalingby Interleukins; Insulin Signaling; TNF receptorsignaling pathway; MAPK Cascade; MAPK signaling pathway; TNF-alpha/NF-kBSignaling Pathway; Trk receptor signaling mediated by the MAPK pathway

**PDB rendering
basedon 2c60.**

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