Recombinant Human Mitogen-Activated Protein Kinase Kinase Kinase Kinase 5, GST-tagged

Cat. No. MAP4K5-375H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full length MAP4K5,GST-tagged is expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	MAP4K5is an enzyme that in humans is encoded by the MAP4K5 gene. This gene encodesa member of the serine/threonine protein kinase family that is highly similarto yeast SPS1/STE20 kinase. Yeast SPS1/STE20 functions near the beginning ofthe MAP kinase signal cascades that is essential for yeast pheromoneresponse. This kinase was shown to activate Jun kinase in mammalian cells,which suggested a role in stress response. Two alternatively splicedtranscript variants encoding the same protein have been described for thisgene.
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	122.5 kDa
Concentration	0.5 mg/ml
Specific Activity	780 nmole of phosphate transferred tomyelin basic protein (MBP) per minute per mg of total protein at 30°C.Activity determined at a final protein concentration of 0.83 µg/ml.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Stablefor 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	MAP4K5
nullValue_other	Function ATPbinding; nucleotide binding; protein serine/tyreonine kinase activity; protein b inding;small GTPase regulator activity; protein kinase activity
Full Length	Full L.

GENE INFORMATION

Gene Name	MAP4K5mitogen-activated protein kinase kinase kinase kinase 5 [Homo sapiens]
Synonyms	MAP4K5;mitogen-activated protein kinase kinase kinase kinase 5; KHS; KHS1; GCKR; germinalcenter kinase-relate; EC 2.7.11.1; Kinase homologous to SPS1/STE20; MAPK/ERKkinase kinase kinase 5; MEK kinase kinase 5; MEKKK5; MEKKKK5; EC 2.7.11;OTTHUMP00000244662
Gene ID	11183
mRNA Refseq	NM_006575
Protein Refseq	NP_006566
MIM	604923
UniProt ID	Q9Y4K4
Chromosome Location	14q11.2-q21

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Pathway	Insulin Signaling;TNF receptor signalingpathway

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