

Recombinant Human Mitogen-Activated Protein 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	MAP4K5 is an enzyme that in humans is encoded by the MAP4K5 gene. This gene encodes a member of the serine/threonine protein kinase family that is highly similar to yeast SPS1/STE20 kinase. Yeast SPS1/STE20 functions near the beginning of the MAP kinase signal cascades that is essential for yeast pheromone response. This kinase was shown to activate Jun kinase in mammalian cells, which suggested a role in stress response. Two alternatively spliced transcript variants encoding the same protein have been described for this gene.
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	122.5 kDa
Concentration	0.5 mg/ml
Specific Activity	780 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 0.83 µg/ml.

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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 binding;small GTPase regulator activity; protein kinase activity	
Full Length	Full L.		
GENE INFORMATION			
Gene Name	MAP4K5mitogen-activated protein kinase kinase kinase 5 [Homo sapiens]		
Synonyms	MAP4K5;mitogen-activated protein 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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