

## Active Recombinant Mouse Map4k1 Protein, GST-tagged

Cat. No. Map4k1-9520M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Map4k1 (1-346) protein with an N-terminal GST tag was expressed by baculovirus in Sf9 insect cells.
<b>Species</b>	Mouse
<b>Source</b>	Insect cells
<b>ProteinLength</b>	1-346 a.a.
<b>Description</b>	HPK1 or Hematopoietic progenitor kinase 1 is a hematopoietic cell-restricted member of the Ste20 serine/threonine kinase super family. HPK1 is also known as mitogen-activated protein kinase kinase kinase kinase 1 (MAP4K1). HPK1 is a tissue-specific upstream activator of the MEKK/JNK/SAPK signaling pathway. HPK1 diminishes T cell receptor (TCR) signaling activity and T cell proliferation by phosphorylating the adaptor protein SLP-76.
<b>Bio-activity</b>	The specific activity of HPK1 was determined to be 150.3 nmol/min/mg.
<b>Molecular Mass</b>	~65 kDa
<b>Purity</b>	The purity of HPK1 was determined to be >90% by densitometry.
<b>Applications</b>	Kinase Assay, Western Blot
<b>Stability</b>	1 year at -70 centigrade from date of shipment.

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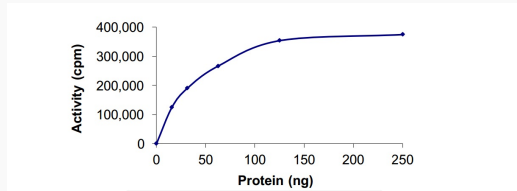
<b>Storage</b>	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Concentration</b>	0.05 g/μ
<b>Storage Buffer</b>	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Map4k1
<b>Official Symbol</b>	Map4k1 mitogen-activated protein kinase kinase kinase kinase 1 [ <i>Mus musculus</i> (house mouse) ]
<b>Synonyms</b>	Map4k1; mHPK1; MEKKK1; Hpk1; mitogen-activated protein kinase kinase kinase kinase 1; mitogen-activated protein kinase kinase kinase kinase 1; HPK; MAPK/ERK kinase kinase kinase 1; MEK kinase kinase 1; MEKKK 1; hematopoietic progenitor kinase 1; EC 2.7.11.1
<b>Gene ID</b>	26411
<b>mRNA Refseq</b>	NM_008279
<b>Protein Refseq</b>	NP_032305
<b>UniProt ID</b>	P70218

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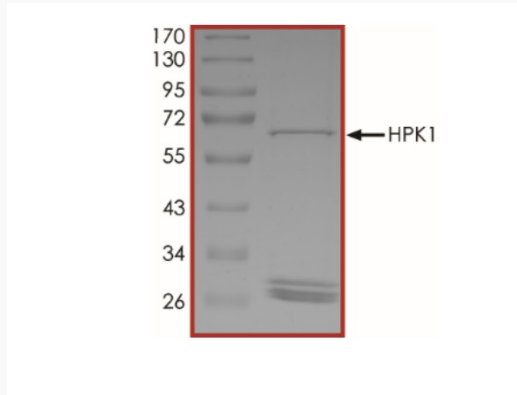
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**Specific Activity**



**Purity**



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