

Active Recombinant Mouse Map4k1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant mouse Map4k1 (1-346) protein with an N-terminal GST tag was expressed by baculovirus in Sf9 insect cells.
Species	Mouse
Source	Insect cells
ProteinLength	1-346 a.a.
Description	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.
Bio-activity	The specific activity of HPK1 was determined to be 150.3 nmol/min/mg.
Molecular Mass	~65 kDa
Purity	The purity of HPK1 was determined to be >90% by densitometry.
Applications	Kinase Assay, Western Blot
Stability	1 year at -70 centigrade from date of shipment.

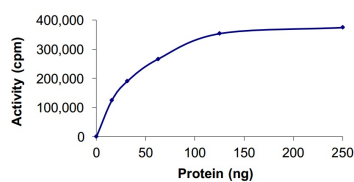
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

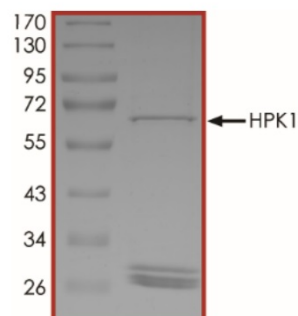
 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	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.
Concentration	0.05 g/μ
Storage Buffer	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol.
GENE INFORMATION	
Gene Name	Map4k1
Official Symbol	Map4k1 mitogen-activated protein kinase kinase kinase kinase 1 [Mus musculus (house mouse)]
Synonyms	Map4k1; mHPK1; MEKKK1; Hpk1; mitogen-activated protein 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
Gene ID	26411
mRNA Refseq	NM_008279
Protein Refseq	NP_032305
UniProt ID	P70218

Specific Activity



Purity



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