

Recombinant Human MAP4K1 Protein, GST-tagged

Cat. No. MAP4K1-79H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human HPK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect cells
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.
Molecular Mass	~121 kDa
Purity	> 70%
Applications	Kinase Assay, WB
Stability	One year at -70 centigrade from date of shipment.
Storage	Store 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.

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

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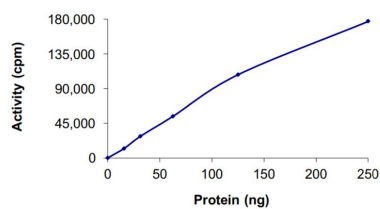
Concentration	0.05 µg/µL
Storage Buffer	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, and 25% glycerol
GENE INFORMATION	
Gene Name	MAP4K1 mitogen-activated protein kinase kinase kinase kinase 1 [Homo sapiens (human)]
Official Symbol	MAP4K1
Synonyms	HPK1; mitogen-activated protein kinase kinase kinase kinase 1; MAPK/ERK kinase kinase kinase 1; MEK kinase kinase 1; MEKKK 1; hematopoietic progenitor kinase 1; EC 2.7.11.1
Gene ID	11184
mRNA Refseq	NM_007181
Protein Refseq	NP_009112
MIM	601983
UniProt ID	Q92918

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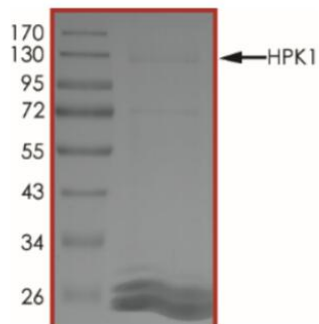
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Specific Activity



The specific activity of HPK1 was determined to be 45.9 nmol/min/mg as per activity assay protocol.

Purity



The purity of HPK1 was determined to be >70% by densitometry.