Active Recombinant Full Length Human MAP4K1 Protein, GST tagged

Cat. No. MAP4K1-27602TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human HPK1 protein (1-833 aa) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect cells
ProteinLength	1-833 aa
Description	Enables ATP binding activity and MAP kinase kinase kinase kinase activity. Involved in several processes, including JNK cascade; cellular response to phorbol 13-acetate 12-myristate; and protein phosphorylation. Located in membrane.
Source	Insect cells
Species	Human
Tag	GST
Molecular Weight	~121 kDa
Stability	1 year at –70 centigrade from date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller

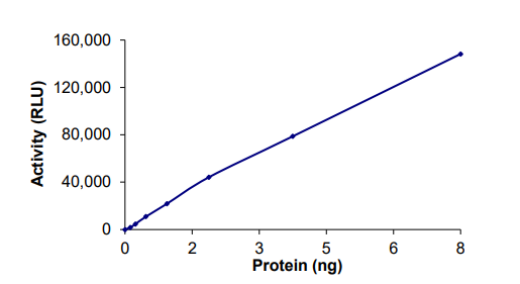
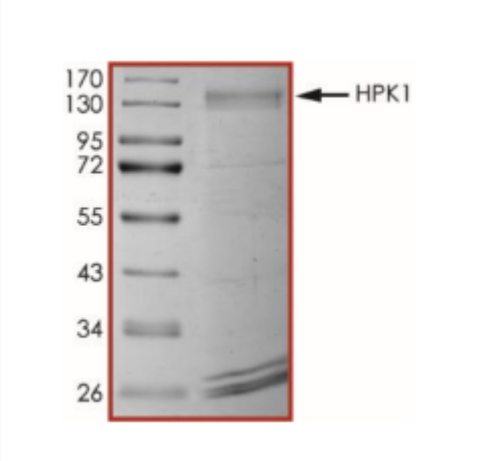
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	quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl, pH 7.5, 50-300mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25-1.0mM DTT, 0-0.1mM PMSF, 10-25% glycerol.
Concentration	0.05 μg/μL
Shipping	Enzymes are highly recommended to be shipped at frozen temperature with dry ice. Shipment made at ambient temperature may seriously affect the activity of the ordered products.

GENE INFORMATION

Gene Name	MAP4K1 mitogen-activated protein kinase kinase kinase kinase 1 [Homo sapiens (human)]
Official Symbol	MAP4K1
Synonyms	MAP4K1; mitogen-activated protein kinase kinase kinase kinase 1; hematopoietic progenitor kinase 1; HPK1; MEKKK 1; MEK kinase kinase 1; MAPK/ERK kinase kinase kinase 1
Gene ID	11184
mRNA Refseq	NM_001042600
Protein Refseq	NP_001036065
MIM	601983

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UniProt ID	Q92918
Activity	 The specific activity of HPK1 was determined to be 54 nmol/min/mg as per activity assay protocol.
Purity	 The purity of HPK1 was determined to be > 70% by densitometry, approx. MW 121 kDa.

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