

Active Recombinant Human Full Length MAP2K1 Protein, Avi tagged, Biotin Labeled

Cat. No. MAP2K1-9956HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Avi-Biotinylated active Recombinant Full Length Human MAP2K1 Protein without tag was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	1-393 aa
Conjugation/Label	Biotin
Description	The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development.
Form	Sterile PBS, pH7.4
Bio-activity	Measured by its ability to hydrolyze the 5'-phosphate groups from the substrate adenosine-5'-triphosphate (ATP). The orthophosphate product is measured by a

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Malachite Green Phosphate Detection Kit. The specific activity is 6.63 pmol/min/μg, as measured under the described conditions.

Molecular Mass 47 kDa

Purity >90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.81 mg/mL by BCA

Labelling Efficiency 1.0 by HABA

GENE INFORMATION

Gene Name MAP2K1 mitogen-activated protein kinase kinase 1 [Homo sapiens (human)]

Official Symbol MAP2K1

Synonyms MAP2K1; mitogen-activated protein kinase kinase 1; PRKMK1; dual specificity mitogen-activated protein kinase kinase 1; MAPKK1; MEK1; MEK 1; MAPKK 1; MAPK/ERK kinase 1; MAP kinase kinase 1; ERK activator kinase 1; protein kinase, mitogen-activated, kinase 1 (MAP kinase kinase 1); MKK1

Gene ID 5604

mRNA Refseq NM_002755

Protein Refseq NP_002746

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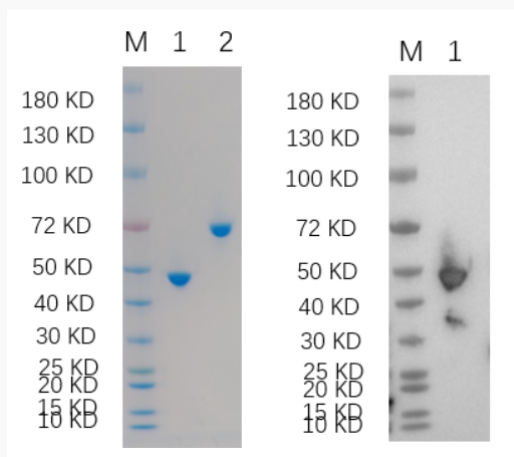
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MIM 176872

UniProt ID Q02750

SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified MAP2K1. 1. MAP2K1: 1 μ g 2. BSA: 1 μ g

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