

## Recombinant Human MAP2K1 protein, His/MBP-tagged

Cat. No. MAP2K1-299H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MAP2K1(1-91 aa) fused with His/MBP tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-91 aa
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid in PBS
<b>Purity</b>	SDS-PAGE >90%
<b>Applications</b>	WB Positive Control
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.

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**Storage** Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** MAP2K1 mitogen-activated protein kinase kinase 1 [ Homo sapiens ]

**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

**MIM** 176872

**UniProt ID** Q02750

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