

Recombinant Human MAP2K4 protein, His/MBP-tagged

Cat. No. MAP2K4-304H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAP2K4(218-362 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	218-362 aa
Description	This gene encodes a member of the mitogen-activated protein kinase (MAPK) family. Members of this family act as an integration point for multiple biochemical signals and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation, and development. They form a three-tiered signaling module composed of MAPKKKs, MAPKKs, and MAPKs. This protein is phosphorylated at serine and threonine residues by MAPKKKs and subsequently phosphorylates downstream MAPK targets at threonine and tyrosine residues. A similar protein in mouse has been reported to play a role in liver organogenesis. A pseudogene of this gene is located on the long arm of chromosome X. Alternative splicing results in multiple transcript variants.
Form	Liquid in PBS
Purity	SDS-PAGE >90%
Applications	WB Positive Control

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
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	MAP2K4 mitogen-activated protein kinase kinase 4 [Homo sapiens]
Official Symbol	MAP2K4
Synonyms	MAP2K4; mitogen-activated protein kinase kinase 4; SERK1; dual specificity mitogen-activated protein kinase kinase 4; JNKK1; MEK4; MKK4; PRKMK4; MEK 4; MAPKK 4; SAPK kinase 1; MAPK/ERK kinase 4; SAPK/ERK kinase 1; MAP kinase kinase 4; JNK-activated kinase 1; JNK activating kinase 1; JNK-activating kinase 1; c-Jun N-terminal kinase kinase 1; stress-activated protein kinase kinase 1; JNKK; SEK1; MAPKK4; SAPKK1; SAPKK-1;
Gene ID	6416
mRNA Refseq	NM_003010
Protein Refseq	NP_003001
MIM	601335
UniProt ID	P45985