

Recombinant Human MAP3K7 cell lysate

Cat. No. MAP3K7-1056HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

Description

The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

Gene Name

MAP3K7 mitogen-activated protein kinase kinase kinase 7 [Homo sapiens]

Official Symbol

MAP3K7

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Synonyms	MAP3K7; mitogen-activated protein kinase kinase kinase 7; TAK1; MEKK7; TGF-beta activated kinase 1; TGF-beta-activated kinase 1; transforming growth factor-beta-activated kinase 1; TGF1a;
Gene ID	6885
mRNA Refseq	NM_003188
Protein Refseq	NP_003179
MIM	602614
UniProt ID	O43318
Chromosome Location	6q15
Pathway	Activated TLR4 signalling, organism-specific biosystem; Activation of NF-kappaB in B Cells, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; BCR signaling pathway, organism-specific biosystem;
Function	ATP binding; MAP kinase kinase kinase activity; kinase activity; magnesium ion binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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