

Recombinant Human Human MAP3K7

Cat. No. MAP3K7-30308TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragments, corresponding to amino acids 1-303 of Human TAK1 and 437-504 of Human TAB1, linked by a small peptide, with an N-terminal proprietary tag expressed in a Baculovirus infected Sf9 cell expression system, MWt 74kDa.
Species	Human
Protein Length	1-303;437-504 a.a.
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.
Biological activity	The Specific activity of MAP3K7-30308TH was determined to be 10 nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5

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Storage

Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

GENE INFORMATION

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

Official Symbol MAP3K7

Synonyms MAP3K7; mitogen-activated protein kinase kinase kinase 7; TAK1; MEKK7;

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; Adaptive Immune System, organism-specific biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem;

Function

ATP binding; MAP kinase kinase activity; MAP kinase kinase kinase activity; kinase activity; magnesium ion binding;

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