

## Human MAP3K7 Knockdown Cell Lysate

Cat. No. MAP3K7-368HKCL Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	WB-validated MAP3K7 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>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.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	67 kDa
<b>Notes</b>	<p>Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.</p>

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<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg MAP3K7 KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways</b>	Adherens junction, MAPK signaling pathway, NOD-like receptor signaling pathway, RIG-I-like receptor signaling pathway, T cell receptor signaling pathway, Toll-like receptor signaling pathway, Wnt signaling pathway
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	MAP3K7 mitogen-activated protein kinase kinase kinase 7 [ Homo sapiens (human) ]
<b>Official Symbol</b>	MAP3K7
<b>Synonyms</b>	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;
<b>Gene ID</b>	6885
<b>mRNA Refseq</b>	NM_003188
<b>Protein Refseq</b>	NP_003179

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