

Human MAP3K7 Knockdown Cell Lysate

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

SPECIFICATION

Product Overview	WB-validated MAP3K7 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	67 kDa
Notes	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.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg MAP3K7 KD HeLa cell lysate
Protein Families	Druggable Genome, Protein Kinase
Protein Pathways	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
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	MAP3K7 mitogen-activated protein kinase kinase kinase 7 [Homo sapiens (human)]
Official Symbol	MAP3K7
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

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MIM	602614
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UniProt ID	O43318
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