

Recombinant Human MAP3K10

Cat. No. MAP3K10-30247TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment: FPRLPDPQAL FPARRRPPEF PGRPTTLTFA PRPRPAASRP RLDPWKLVSF GRTLISPPS RPDTPESEPGP PSVQPTLLDM DMEGQNQDST VPLCGAHGSH of Human MLK2 (amino acids 855-954) with N terminal proprietary tag, 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	The protein encoded by this gene is a member of the serine/threonine kinase family. This kinase has been shown to activate MAPK8/JNK and MKK4/SEK1, and this kinase itself can be phosphorylated, and thus activated by JNK kinases. This kinase functions preferentially on the JNK signaling pathway, and is reported to be involved in nerve growth factor (NGF) induced neuronal apoptosis.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed in brain and skeletal muscle.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	FPRLPDPQALFPARRRPPEFPGRPTTLTFAPRPRPAASRPRLDPWKLVSFGRTLIS PPSRPDTPESPGPPSVQPTLLDMDMEGQNQDSTVPLCGAHGSH
Sequence Similarities	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily. Contains 1 protein kinase domain. Contains 1 SH3 domain.

GENE INFORMATION

Gene Name	MAP3K10 mitogen-activated protein kinase kinase kinase 10 [Homo sapiens]
Official Symbol	MAP3K10
Synonyms	MAP3K10; mitogen-activated protein kinase kinase kinase 10; MLK2; MEKK10; mixed lineage kinase 2; MKN28 derived nonreceptor_type serine/threonine kinase; MKN28 kinase; MST;
Gene ID	4294
mRNA Refseq	NM_002446
Protein Refseq	NP_002437
MIM	600137
Uniprot ID	Q02779

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Chromosome Location	19q13.2
Pathway	Insulin Signaling, organism-specific biosystem; p38 MAPK signaling pathway, organism-specific biosystem;
Function	ATP binding; JUN kinase kinase kinase activity; bHLH transcription factor binding; nucleotide binding; protein homodimerization activity;

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