

## Recombinant Human MAPK10 protein, His-tagged

Cat. No. MAPK10-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MAPK10 protein, fused to His-tagged, was expressed in Baculovirus.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-464aa
<b>Description</b>	<p>The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as integration points for multiple biochemical signals, and thus are involved in a wide variety of cellular processes, such as proliferation, differentiation, transcription regulation and development. This kinase is specifically expressed in a subset of neurons in the nervous system, and is activated by threonine and tyrosine phosphorylation. Targeted deletion of this gene in mice suggests that it may have a role in stress-induced neuronal apoptosis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. A recent study provided evidence for translational readthrough in this gene, and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon.</p>
<b>Form</b>	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT, 0.1mM PMSF.
<b>Molecular Mass</b>	53.4 kDa (470aa)

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**AA Sequence**

MSLHFLYYCS EPTLDVKIAF CQGFDKQVDV SYIAKHYNMS KSKVDNQFYS  
 VEVGDSTFTV LKRYQNLKPI GSGAQQIVCA AYDAVLDRNV AIKKLSRPFQ  
 NQTHAKRAYR ELVLMKCVNH KNIISLLNVF TPQKTLEEFQ DVYLVME LMD  
 ANLCQVIQME LDHERMSYLL YQMLCGIKHL HSAGIIHRDL KPSNIVVKSD  
 CTLKILDFGL ARTAGTSFMM TPYVVTRYR APEVILGMGY KENVDIWSVG  
 CIMGEMVRHK ILFPGRDYID QWNKVIEQLG TPCPEFMKKL QPTVRNYVEN  
 RPKYAGLTFP KLFPDSL FPA DSEHNK LKAS QARDLLSKML VIDPAKRISV  
 DDALQHPYIN VWYDPAEVEA PPPQIYDKQL DEREHTIEEW KELIYKEVMN  
 SEEKTKNGVV KGQPSPSGAA VNSSESLPPS SSVNDISSMS TDQTLASDTD  
 SSLEASAGPL GCCR

**Endotoxin**

< 1 EU per 1ug of protein (determined by LAL method).

**Purity**

> 85%

**Applications**

SDS-PAGE

**Storage**

Can be stored at 2 centigrade to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.

**Concentration**

0.25mg/ml

## GENE INFORMATION

**Gene Name**

MAPK10 mitogen-activated protein kinase 10 [ Homo sapiens (human) ]

**Official Symbol**


MAPK10

**Synonyms**

Mitogen-activated protein kinase 10; MAPK10; JNK3; JNK3A; p493F12; p54bSAPK; PRKM10; SAPK1b

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Gene ID	5602
mRNA Refseq	NM_138982
Protein Refseq	NP_620448
MIM	602897
UniProt ID	P53779

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