

Recombinant Human MAPK10 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human MAPK10 protein, fused to His-tagged, was expressed in Baculovirus.
Species	Human
Source	Insect Cells
ProteinLength	1-464aa
Description	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.
Form	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT, 0.1mM PMSF.
Molecular Mass	53.4 kDa (470aa)

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AA Sequence

MSLHFLYYCS EPTLDVKIAF CQGFDKQVDV SYIAKHYNMS KSKVDNQFYS
 VEVGDSTFTV LKRYQNLKPI GSGAQGIVCA AYDAVLDRNV AIKKLSRPFQ
 NQTHAKRAYR ELVLMKCVNH KNIISLLNVF TPQKTLEEFQ DVYLVMEIMD
 ANLCQVIQME LDHERMSYLL YQMLCGIKHL HSAGIIHRDL KPSNIVVKSD
 CTLKILDFGL ARTAGTSFMM TPYVVTRYR APEVILGMGY KENVDIWSVG
 CIMGEMVRHK ILFPGRDYID QWNKVIEQLG TPCPEFMKKL QPTVRNYVEN
 RPKYAGLTFP KLFPDSLFP DSEHNKLKAS 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

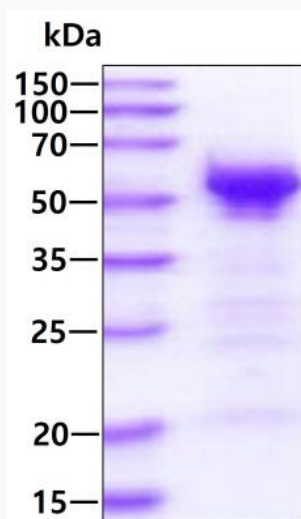
Mitogen-activated protein kinase 10; MAPK10; JNK3; JNK3A; p493F12; p54bSAPK; PRKM10; SAPK1b

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

SDS-PAGE


3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.