Recombinant Mouse Mapk10 Protein, Myc/DDK-tagged

Cat. No. Mapk10-3938M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitogen-activated protein kinase 10 (Mapk10), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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 found 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.
Molecular Mass	48.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Mapk10 mitogen-activated protein kinase 10 [Mus musculus (house mouse)]
Official Symbol	Mapk10
Synonyms	MAPK10; mitogen-activated protein kinase 10; MAPK 10; MAP kinase 10; SAPK/Erk/kinase 2; MAP kinase p49 3F12; JNK3 beta1 protein kinase; JNK3 beta2 protein kinase; c-Jun N-terminal kinase 3; mitogen activated protein kinase 10; stress-activated protein kinase JNK3; JNK3; Serk2; JNK3B1; JNK3B2; p493F12; p54bSAPK; SAPK(beta); C230008H04Rik
Gene ID	26414
mRNA Refseq	NM_009158
Protein Refseq	NP_033184
UniProt ID	Q80W82

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