

Recombinant Mouse Mapk4 Protein, Myc/DDK-tagged

Cat. No. Mapk4-3943M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitogen-activated protein kinase 4 (Mapk4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK4/MAPK4 is phosphorylated at Ser-186 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK4/MAPK4. May promote entry in the cell cycle.
Molecular Mass	65.6 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.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Mapk4 mitogen-activated protein kinase 4 [Mus musculus (house mouse)]

Official Symbol Mapk4

Synonyms Mapk4; mitogen-activated protein kinase 4; Erk3; p63M; Prkm4; p63Mapk; A330097D03Rik; mitogen-activated protein kinase 4; ERK-4; Erk3-related; MAP kinase 4; MAPK 4; extracellular signal-regulated kinase 4; EC 2.7.11.24

Gene ID 225724

mRNA Refseq NM_172632

Protein Refseq NP_766220

UniProt ID Q6P5G0

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