

Recombinant Mouse Mark3 Protein, Myc/DDK-tagged

Cat. No. Mark3-3961M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length MAP/microtubule affinity-regulating kinase 3 (cDNA clone MGC:31426 IMAGE:4459439), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Serine/threonine-protein kinase. Involved in the specific phosphorylation of microtubule-associated proteins for MAPT/TAU, MAP2 and MAP4. Phosphorylates CDC25C. Regulates localization and activity of some histone deacetylases by mediating phosphorylation of HDAC7, promoting subsequent interaction between HDAC7 and 14-3-3 and export from the nucleus. Negatively regulates the Hippo signaling pathway and antagonizes the phosphorylation of LATS1. Cooperates with DLG5 to inhibit the kinase activity of STK3/MST2 toward LATS1.
Molecular Mass	47.2 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.

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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 [Mark3 MAP/microtubule affinity regulating kinase 3 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Mark3](#)

Synonyms Mark3; MAP/microtubule affinity regulating kinase 3; ETK1; Emk2; C-TAK; ETK-1; MPK10; C-TAK1; 1600015G02Rik; A430080F22Rik; MAP/microtubule affinity-regulating kinase 3; ELKL motif kinase 2; EMK-2; EMK2/MARK3 serine-threonine protein kinase; MPK-10; EC 2.7.11.1

Gene ID [17169](#)

mRNA Refseq [NM_022801](#)

Protein Refseq [NP_073712](#)

UniProt ID [Q03141](#)

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