

Recombinant Mouse Mob1b Protein, Myc/DDK-tagged

Cat. No. Mob1b-4105M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length MOB kinase activator 1B (Mob1b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Activator of LATS1/2 in the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS1/2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. Stimulates the kinase activity of STK38L.
Molecular Mass	25.5 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 Mob1b MOB kinase activator 1B [Mus musculus (house mouse)]

Official Symbol Mob1b

Synonyms MOB1B; MOB kinase activator 1B; mob1 homolog 1A; mps one binder kinase activator-like 1A; MOB1, Mps One Binder kinase activator-like 1A; Mobkl1a; AU015450; B230364F10; 1110003E08Rik; MGC129510; MGC129511

Gene ID 68473

mRNA Refseq NM_026735

Protein Refseq NP_081011

UniProt ID Q8BPB0

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