

Recombinant Mouse Mib1 Protein, Myc/DDK-tagged

Cat. No. Mib1-4064M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mindbomb E3 ubiquitin protein ligase 1 (Mib1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	E3 ubiquitin-protein ligase that mediates ubiquitination of Delta receptors, which act as ligands of Notch proteins. Positively regulates the Delta-mediated Notch signaling by ubiquitinating the intracellular domain of Delta, leading to endocytosis of Delta receptors. Involved in ubiquitination of centriolar satellite CEP131, CEP290 and PCM1 proteins and hence inhibits primary cilium formation in proliferating cells. Mediates 'Lys-63'-linked polyubiquitination of TBK1, which probably participates in kinase activation. Probably mediates ubiquitination and subsequent proteasomal degradation of DAPK1, thereby antagonizing anti-apoptotic effects of DAPK1 to promote TNF-induced apoptosis.
Molecular Mass	110.1 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 [Mib1 mindbomb E3 ubiquitin protein ligase 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Mib1](#)

Synonyms MIB1; mindbomb homolog 1 (Drosophila); E3 ubiquitin-protein ligase MIB1; mind bomb-1; skeletrophin; mind bomb homolog 1; DAPK-interacting protein 1; DAPK-interacting protein-1; Mib; DIP-1; mKIAA1323; E430019M12Rik; MGC18948

Gene ID [225164](#)

mRNA Refseq [NM_144860](#)

Protein Refseq [NP_659109](#)

UniProt ID [Q80SY4](#)

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