

Recombinant Mouse Arpin Protein, Myc/DDK-tagged

Cat. No. Arpin-1728M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length actin-related protein 2/3 complex inhibitor (Arpin), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Regulates actin polymerization by inhibiting the actin-nucleating activity of the Arp2/3 complex; the function is competitive with nucleation promoting factors. Participates in an incoherent feedforward loop at the lamellipodium tip where it inhibits the ARP2/2 complex in response to Rac signaling and where Rac also stimulates actin polymerization through the WAVE complex. Involved in steering cell migration by controlling its directional persistence.
Molecular Mass	25.2 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.
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 Arpin actin-related protein 2/3 complex inhibitor [Mus musculus (house mouse)]

Official Symbol Arpin

Synonyms Arpin; actin-related protein 2/3 complex inhibitor; 2610034B18Rik; arpin; UPF0552 protein C15orf38 homolog; arp2/3 inhibition protein

Gene ID 70420

mRNA Refseq NM_027420

Protein Refseq NP_081696

UniProt ID Q9D0A3

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