

Recombinant Human ARPIN Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ARPIN-121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C15orf38 MS Standard C13 and N15-labeled recombinant protein (NP_872422) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
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	24.9 kDa
AA Sequence	MSRIYHDGALRNKAVQSVRLPGAWDPAAHQGGNGVLLEGELIDVSRHSILDTHGRK ERYVLYIRPSHIHRRKFDAKGNEIEPNFSATRKVNTGFLMSSYKVEAKGDTDRLTP EALKGLVKNPELLALTESLTPDHTVAFWMPESSEMEVMELELGAGVRLKTRGDGPFL DSLAKLEAGTVTKCNFTGDGKTGASWTDNIMAQKCSKGAAAEIREQGDGAEDEEW DDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ARPIN actin related protein 2/3 complex inhibitor [Homo sapiens (human)]
Official Symbol	ARPIN
Synonyms	ARPIN; actin related protein 2/3 complex inhibitor; C15orf38; arpin; UPF0552 protein C15orf38; arp2/3 inhibition protein
Gene ID	348110
mRNA Refseq	NM_182616
Protein Refseq	NP_872422
MIM	615543
UniProt ID	Q7Z6K5

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