

Product datasheet for TP502650

Arpin (NM_027420) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse actin-related protein 2/3 complex inhibitor (Arpin), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202650 protein sequence Red =Cloning site Green =Tags(s)

MSRIYQDSALRNKAVQSARLPGTWDPATHQGGNGILLEGELVDVSRHSILDAHGRKERYVLYIQPSCIH
RRKFDPKGNEIEPNFSATRKVNTGFLMSSYKVEAKGDTDRLTLEALKSLVKNPQLELTPDQAVAF
WMPESEMEVELELGTGVRLKTRGDGPFIDSLAKLELGTVTKCNFAGDGKTGASWTDNIMAQKSSERNTA
EIREQGDGAEDEEWDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	25.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_081696
Locus ID:	70420
UniProt ID:	Q9D0A3
RefSeq Size:	2184



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Cytogenetics: 7 D2

RefSeq ORF: 681

Synonyms: 2610034B18Rik

Summary: 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 (By similarity). [UniProtKB/Swiss-Prot Function]