

Recombinant Mouse Scin Protein, Myc/DDK-tagged

Cat. No. Scin-5714M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length scinderin (Scin), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Ca ²⁺ -dependent actin filament-severing protein that has a regulatory function in exocytosis by affecting the organization of the microfilament network underneath the plasma membrane. Severing activity is inhibited by phosphatidylinositol 4,5-bis-phosphate (PIP ₂). In vitro, also has barbed end capping and nucleating activities in the presence of Ca ²⁺ . Required for megakaryocyte differentiation, maturation, polyploidization and apoptosis with the release of platelet-like particles. Plays a role in osteoclastogenesis (OCG) and actin cytoskeletal organization in osteoclasts. Regulates chondrocyte proliferation and differentiation. Inhibits cell proliferation and tumorigenesis. Signaling is mediated by MAPK, p38 and JNK pathways.
Molecular Mass	69.6 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 Scin scinderin [Mus musculus (house mouse)]

Official Symbol Scin

Synonyms SCIN; scinderin; adseverin; gelsolin-like protein; AW545522

Gene ID 20259

mRNA Refseq NM_009132

Protein Refseq NP_033158

UniProt ID Q60604

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