

Datasheet for ABIN7563866

**Scinderin Protein (SCIN) (AA 1-715) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Scinderin (SCIN)
Protein Characteristics:	AA 1-715
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Scinderin protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Scin Protein expressed in mammalian cells.
Sequence:	MAQELQHPEF ARAGQQAGLQ VWRVEKLELV PVPQGAYGDF YVGDAYLVLH TTKSSRGFSY RLHFWLGKEC SQDESTAAAI FTVQMDDYLG GKPVQSRELQ GYESTDFVGY FKGGLKYKAG GVASGLNHVL TNDLTAKRLL HVKGRRVVRA TEVPLSWESF NKGDCFIIDL GTEIQWCGS SCNKYERLKA SQVAIGIRDN ERKGRSQLIV VEEGSEPSEL MKVLGRKPEL PDGDNDDVV ADISNRKMAK LYMVSDASGS MKVTLVAEEN PFSMGMLLSE ECFILDHGAA KQIFVWKGN ANPQERKTAM KTAEEFLQKM KYSTNTQIQV LPEGGETPIF KQFFKDWKDK DQSDGFGKVY ITEKVAQIQ IPFDASKLHS SPQMAAQHNM VDDGSGGVEI WRVENSGRVQ IDPSSYGEFY GGDCYIILY YPRGQIITW QGANATRDEL TMSAFLTVQL DRSLGGQAVQ VRVSQGKEPA HLLSLFKDKP LIIYKNGTSK KEGQAPAPPT RLFQVRRNLA SITRIVEVDV DANSLNSNDT FVLKLPRNNG FIWIGKGASQ EEEKGAEYVA DVLKCKASRI QEGKEPEEFW NSLGGRGDYQ TSPLETRAE DHPRLYGCS NKTGRFIIIE VPGEFTQDDL AEDDVMLLDA WEQIFIWIGK DANEVEKKES VKSAKMYLET DPSGRDKRTP IVIIKQGHEP PTFTGWFLGW DSSRW <b>Sequence</b>

## Product Details

---

**without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

---

**Target:** Scinderin (SCIN)

**Alternative Name:** Scin ([SCIN Products](#))

**Background:** Scinderin (Adseverin) (Gelsolin-like protein),FUNCTION: 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 (PubMed:9671468). Severing activity is inhibited by phosphatidylinositol 4,5-bis-phosphate (PIP2) (By similarity). In vitro, also has barbed end capping and nucleating activities in the presence of Ca(2+) (PubMed:9671468). Required for megakaryocyte differentiation, maturation, polyploidization and apoptosis with the release of platelet-like particles (By similarity). Plays a role in osteoclastogenesis (OCG) and actin cytoskeletal organization in osteoclasts (PubMed:25275604, PubMed:25681458).

## Target Details

---

Regulates chondrocyte proliferation and differentiation (By similarity). Inhibits cell proliferation and tumorigenesis. Signaling is mediated by MAPK, p38 and JNK pathways (By similarity). {ECO:0000250|UniProtKB:Q28046, ECO:0000250|UniProtKB:Q5ZIV9, ECO:0000250|UniProtKB:Q9Y6U3, ECO:0000269|PubMed:25275604, ECO:0000269|PubMed:25681458, ECO:0000269|PubMed:9671468}., FUNCTION: [Isoform 2]: Fails to nucleate actin polymerization, although it severs and caps actin filaments in a Ca(2+)-dependent manner. {ECO:0000269|PubMed:9671468}.

---

Molecular Weight: 80.3 kDa

---

UniProt: [Q60604](#)

---

Pathways: [Regulation of Actin Filament Polymerization](#)

## Application Details

---

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

---

Buffer: The buffer composition is at the discretion of the manufacturer.

---

Handling Advice: Avoid repeated freeze-thaw cycles.

---

Storage: -80 °C

---

Storage Comment: Store at -80°C.

---

Expiry Date: 12 months