

Datasheet for ABIN7552103

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:	Human
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:	MARELYHEEF ARAGKQAGLQ VWRIEKLELV PVPQSAHGDF YVGDAYLVLH TAKTSRGFTY HLHFWLGKEC SQDESTAAAI FTVQMDDYLG GKPVQNRELQ GYESNDFVSY FKGGLKYKAG GVASGLNHVL TNDLTAKRLL HVKGRRVVRA TEVPLSWDSF NKGDCFIIDL GTEIQWCGS SCNKYERLKA NQVATGIRYN ERKGRSELIV VEEGSEPESEL IKVLGEKPEL PDGGDDDDII ADISNRKMAK LYMVSDASGS MRVTVVAEEN PFSMAMLLSE ECFILDHGAA KQIFVWKGKD ANPQERKAAM KTAEEFLQQM NYSKNTQIQV LPEGGETPIF KQFFKDWRDK DQSDGFGKVY VTEKVAQIKQ IPFDASKLHS SPQMAAQHNM VDDGSGKVEI WRVENNGRIQ VDQNSYGEFY GGDCYIILYT YPRGQIITW QGANATRDEL TTS AFLTVQL DRSLGGQAVQ IRVSQGKEPV HLLSLFKDKP LIIYKNGTSK KGGQAPAPT RLFQVRRNLA SITRIVEVDV DANSLNSNDV FVLKLPQNSG YIIVGKGASQ EEEKGAEYVA SVLKCKTLRI QEGEEPEEFW NSLGGKKDYQ TSPLLETQAE DHPRLYGCS NKTGRFVIEE IPGEFTQDDL AEDDVMLLDA WEQIFIWIGK DANEVEKKES LKSAKMYLET DPSGRDKRTP IVIKQGHEP PTFTGWFLGW DSSKW Sequence

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),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:8547642, PubMed:26365202). 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+). Required for megakaryocyte differentiation, maturation, polyploidization and apoptosis with the release of platelet-like particles (PubMed:11568009). Plays a role in osteoclastogenesis (OCG) and actin cytoskeletal organization in osteoclasts (By similarity). Regulates chondrocyte proliferation and

Target Details

differentiation (By similarity). Inhibits cell proliferation and tumorigenesis. Signaling is mediated by MAPK, p38 and JNK pathways (PubMed:11568009). {ECO:0000250|UniProtKB:Q28046, ECO:0000250|UniProtKB:Q5ZIV9, ECO:0000250|UniProtKB:Q60604, ECO:0000269|PubMed:11568009, ECO:0000269|PubMed:26365202, ECO:0000269|PubMed:8547642}.

Molecular Weight: 80.5 kDa

UniProt: [Q9Y6U3](#)

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