

Recombinant Human SPECC1, His-tagged

Cat. No. SPECC1-240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPECC1, 458-761aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	458-761aa
Description	SPECC1, also known as Cytospin-B, belongs to the cytospin-A family. This protein is involved in cytokinesis and spindle organization. It may play a role in actin cytoskeleton organization and microtubule stabilization and hence required for proper cell adhesion and migration. Recombinant human SPECC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT, 0.1M NaCl
Molecular Mass	37.7 kDa(327aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSTQEGKII ELEQKCTGIL EQGRFEREKL LNIQQQLTCS LRKVEEENQG ALEMIKRLKE ENEKLNEFLE LERHNNNMMA KTLEECRVTL EGLKMENGSL KSHLQGEKQK ATEASAVEQT AESCEVQEML KVARAEKDLL ELSCNELRQE LLKANGEIKH VSSLLAKVEK DYSYLKEICD HQAELQSRSTS LKLQEKASES DAEIKDMKET IFELEDQVEQ HRVAVKLHNNQ LISELESSVI KLEEQKSDLE RQLKTLTKQM KEETEEWRRF QADLQTAVVV

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ANDIKCEAQQ ELRTVKKRL EEEEEKNA

Purity >80% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [SPECC1 sperm antigen with calponin homology and coiled-coil domains 1 \[Homo sapiens \]](#)

Official Symbol SPECC1

Synonyms SPECC1; sperm antigen with calponin homology and coiled-coil domains 1; cytospin-B; cytokinesis and spindle organization B; cytospin B; CYTSB; FLJ36955; HCMOGT 1; NSP; sperm antigen HCMOGT 1; NSP5; sperm antigen HCMOGT-1; structure protein NSP5a3a; structure protein NSP5a3b; structure protein NSP5b3a; structure protein NSP5b3b; nuclear structure protein 5; sperm antigen with calponin-like and coiled coil domains 1; HCMOGT1; HCMOGT-1;

Gene ID [92521](#)

mRNA Refseq [NM_001033553](#)

Protein Refseq [NP_001028725](#)

MIM [608793](#)

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UniProt ID	Q5M775
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Chromosome Location	17p11.2
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