
Product Data Sheet

Product Name: SPECC1 Human
 Cat. No.: GP24680
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CYTSB; HCMOGT-1; HCMOGT1; NSP; Cytospin-B; Nuclear structure protein 5; NSP5; Sperm antigen HCMOGT-1; Sperm antigen with calponin homology and coiled-coil domains 1; SPECC1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSTQEGKII ELEQKCTGIL EQGRFEREKL LNIQQQLTCS LRKVEEENQG ALEMIKRLKE ENEKLNEFLE LERHNNNMMA KTLIECRVTL EGLKMENGL KSHLQGEKQK ATEASAVEQT AESCEVQEML KVARAEKDLL ELSCNELRQE LKANGEIKH VSSLLAKVEK DYSYLKEICD HQAEQLSRTS LKLQEKASES DAEIKDMKET IFELEDQVEQ HRVAVKLHNNQ LISELESSVI KLEEQKSDLE RQLKTLTKQM KEETEEWRRF QADLQTAVVV ANDIKCEAQQ ELRTVKKRLL EEEEEKNA.		
Formulation	SPECC1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol 1mM DTT and 0.1M NaCl.		

Introduction

Sperm Antigen With Calponin Homology And Coiled-Coil 1 (SPECC1) which is a part of the cytospin-A family takes part in cytokinesis and spindle organization. SPECC1 takes part in actin cytoskeleton organization and microtubule stabilization and therefore necessary for proper cell adhesion and migration.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SPECC1 Human Recombinant produced in E.Coli is a single, non-glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

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polypeptide chain containing 327 amino acids (458-761a.a) and having a molecular mass of 37.7kDa. SPECC1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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