Cytospin-A (SPECC1L) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytospin-A (SPECC1L), Recombinant Protein
Full Product Name	Recombinant Human Cytospin-A (SPECC1L) , partial
Product Gene Name	SPECC1L recombinant protein
Product Synonym Gene Name	SPECC1L
Sequence	DPLSALAREY GGSKRNALLK WCQKKTEGYQ NIDITNFSSS WNDGLAFCAL LHTYLPAHIP YQELNSQDKR RNFMLAFQAA ESVGIKSTLD INEMVRTERP DWQNVMLYVT AIYKYFET
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	120,182 Da
Sequence Positions	1000-1117. Partial
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	145410
3D Structure	ModBase 3D Structure for Q69YQ0
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SPECC1L recombinant protein	MBS1351078 is a recombinant protein targeting SPECC1L. Also known as Recombinant Human Cytospin-A (SPECC1L) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SPECC1L recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPECC1L. It may not necessarily be applicable to this product.

NCBI GI #	513788264
NCBI GeneID	23384
NCBI Accession #	NP_001241661.2
UniProt Primary Accession #	Q69YQ0
UniProt Secondary Accession #	O15081; B7Z758; F5H1H6

UniProt Related Accession #	Q69YQ0
GenBank Nucleotide #	NM_001254732.2
NCBI Official Full Name	cytospin-A isoform 2
NCBI Official Synonym Full Names	sperm antigen with calponin homology and coiled-coil domains 1 like
NCBI Official Symbol	SPECC1L
NCBI Official Synonym Symbols	CYTSA; GBBB2; OBLFC1
UniProt Protein Name	Cytospin-A
UniProt Synonym Protein Names	Renal carcinoma antigen NY-REN-22; Sperm antigen with calponin homology and coiled-coil domains 1-like; SPECC1-like protein
Protein Family	Cytospin
UniProt Gene Name	SPECC1L
UniProt Synonym Gene Names	CYTSA; KIAA0376; SPECC1-like protein
NCBI Protein Information	cytospin-A
NCBI Summary for SPECC1L	This gene encodes a coiled-coil domain containing protein. The encoded protein may play a critical role in actin-cytoskeletal reorganization during facial morphogenesis. Mutations in this gene are a cause of oblique facial clefting-1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A read-through transcript composed of SPECC1L (sperm antigen with calponin homology and coiled-coil domains 1-like) and the downstream ADORA2A (adenosine A2a receptor) gene sequence has been identified, but it is thought to be non-coding. [provided by RefSeq, Jun 2013]
UniProt Comments for SPECC1L	Involved in cytokinesis and spindle organization. May play a role in actin cytoskeleton organization and microtubule stabilization and hence required for proper cell adhesion and migration.
Research Articles on SPECC1L	**1.** SPECC1L as a novel modulator of PI3K-AKT signaling and AJ biology, required for neural tube closure and CNCC delamination.
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