

## Datasheet for ABIN7553224

### CDCA5 Protein (AA 1-252) (His tag)



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#### Overview

Quantity:	1 mg
Target:	CDCA5
Protein Characteristics:	AA 1-252
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDCA5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

#### Product Details

Purpose:	Custom-made recombinat CDCA5 Protein expressed in mammalian cells.
Sequence:	<p>MSGRRTRSGG AAQRSGPRAP SPTKPLRRSQ RKSGSELP SI LPEIWPKTPS AA AVRKP I V L</p> <p>K R I V A H A V E V P A V Q S P R R S P R I S F F L E K E N E P P G R E L T K E D L F K T H S V P A T P T S T P V P N P</p> <p>E A E S S S K E G E L D A R D L E M S K K V R R S Y S R L E T L G S A S T S T P G R R S C F G F E G L L G A E D L S G V</p> <p>S P V V C S K L T E V P R V C A K P W A P D M T L P G I S P P P E K Q K R K K K K M P E I L K T E L D E W A A A M N A E</p> <p>F E A A E Q F D L L V E <b>Sequence 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.</b></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>• Made to order protein - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and</li> </ul>

## Product Details

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, Western Blot

Grade: custom-made

## Target Details

Target: CDCA5

Alternative Name: CDCA5 ([CDCA5 Products](#))

Background: Sororin (Cell division cycle-associated protein 5) (p35),FUNCTION: Regulator of sister chromatid cohesion in mitosis stabilizing cohesin complex association with chromatin. May antagonize the action of WAPL which stimulates cohesin dissociation from chromatin. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. Required for efficient DNA double-stranded break repair. {ECO:0000269|PubMed:15837422, ECO:0000269|PubMed:17349791, ECO:0000269|PubMed:21111234}.

Molecular Weight: 27.6 kDa

UniProt: [Q96FF9](#)

Pathways: [Chromatin Binding](#)

## Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

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