

Datasheet for ABIN7552769  
**CDCA8 Protein (AA 1-280) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CDCA8
Protein Characteristics:	AA 1-280
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDCA8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat CDCA8 Protein expressed in mammalian cells.
Sequence:	<p>MAPRKGSSRV AKTNSLRRRK LASFLKDFDR EVEIRIKQIE SDRQNLLKEV DNLVYNIEILR            LPKALREMNW LDYFALGGNK QALEEAATAD LDITEINKLT AEAQTPLKS AKTRKVIQVD            EMIVEEEEEE ENERKNLQTA RVKRCPPSKK RTQSIQKGK GKRSSRANTV TPAVGRLEVS            MVKPTPGLTP RFDSRVFKTP GLRTPAAGER IYNISGNGSP LADSKEIFLT VPVGGGESLR            LLASDLQRHS IAQLDPEALG NIKKLSNRLA QICSSIRTHK <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> </ul>

## Product Details

- 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, Western Blot
Grade:	custom-made

## Target Details

Target:	CDCA8
Alternative Name:	CDCA8 ( <a href="#">CDCA8 Products</a> )
Background:	Borealin (Cell division cycle-associated protein 8) (Dasra-B) (hDasra-B) (Pluripotent embryonic stem cell-related gene 3 protein),FUNCTION: Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Major effector of the TTK kinase in the control of attachment-error-correction and chromosome alignment. {ECO:0000269 PubMed:15249581, ECO:0000269 PubMed:15260989, ECO:0000269 PubMed:16571674, ECO:0000269 PubMed:18243099}.
Molecular Weight:	31.3 kDa
UniProt:	<a href="#">Q53HL2</a>
Pathways:	<a href="#">Cell Division Cycle, M Phase</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. 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