

Recombinant Human Cell Division Cycle Associated 8, His-tagged

Cat. No. CDCA8-3526H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CDCA8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (19-280aa).
Species	Human
Source	E.coli
Description	CDCA8, also known as Borealin, is a component of the chromosomal passenger complex (CPC). 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. In the complex, CDCA8 protein may be required to direct the CPC to centromeric DNA. Deletion of CDCA8 delays mitotic progression and causes kinetochore-spindle to mis-attach.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 1mM EDTA, 0.2M NaCl
Molecular Weight	31.6 kDa (283aa) confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.25 mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MRKLASFLKD FDREVEIRIK QIESDRQNLL

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acids

KEVDNLYNIE ILRLPKALRE MNWLDYFALG GNKQALEEAATADLDITEIN
 KLTAEAIQTP LKSAKTRKVI QVDEMIVEEE EEEENERKNL QTARVKRCPP
 SKKRTQSIQG KGKGKRSSRA NTVTPAVGRLEVSMVKPTPG LTPRFDSRVF
 KTPGLRTPAA GERIYNISGN GSPLADSKEI FLTVPVGGGE SLRLLASDLQ
 RHSIAQLDPE ALGNIKKLSNRLAQICSSIR THK

Storage

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

GENE INFORMATION

Gene Name [CDCA8 cell division cycle associated 8 \[Homo sapiens \]](#)

Synonyms CDCA8; BOR; DasraB; MESRGP; BOREALIN; FLJ10468; FLJ12042; borealin; Dasra B; dasra-B; hDasra-B; OTTHUMP00000004514; cell division cycle-associated protein 8; pluripotent embryonic stem cell-related gene 3 protein

Gene ID [55143](#)

mRNA Refseq [NM_018101](#)

Protein Refseq [NP_060571](#)

MIM [609977](#)

UniProt ID [Q53HL2](#)

Chromosome Location 1p34.3

Function protein binding

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