

## CDCA8 Human

**Description:** CDCA8 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 283 amino acids (19-280a.a.) and having a molecular mass of 31.6kDa. The CDCA8 is purified by proprietary chromatographic techniques.

Catalog #: PRPS-229

For research use only.

**Synonyms:** Cell division cycle associated 8, BOR, hDasraB, FLJ12042, MESRGP, Pluripotent embryonic stem cell-related gene 3 protein, PESCRG3, BOREALIN.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MRKLASFLKD FDREVEIRIK  
QIESDRQNLL KEVDNLYNIE ILRLPKALRE MNWLDYFALG GNKQALEEAA TADLDITEIN  
KLTAELAIQTP LKSAKTRKVI QVDEMIVEEEE EEEENERKNL QTARVKRCPP SKKRTQSIQG  
KGGKGRSSRA NTVTPAVGRLEVSMVKPTPG LTPRFDSRVF KTPGLRTPAA GERIYNISGN  
GSPADSKEI FLT

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

The CDCA8 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 50% glycerol, 1mM DTT, 1mM EDTA and 0.2M NaCl.

### Stability:

CDCA8 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

CDCA8 is a component of the chromosomal passenger complex (CPC). The CPC complex has crucial functions at the centromere in ensuring accurate chromosome placement and isolation and is obligatory for chromatin-induced microtubule stabilization and spindle assembly. In the complex, CDCA8 protein is needed to direct the CPC to centromeric DNA. Removal of CDCA8 delays mitotic progression and causes kinetochore-spindle to mis-attach.

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