

**CDCA8, 19-280aa, Human, His tag, E.coli**

**Cat.NO.: TP01549**

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3th Edition

**Synonyms:**Cell division cycle-associated protein 8, Borealin, Dasra-B, PESCRG3

**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.

**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

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMRKSLASFLKDFDREVEIRIKQIESDRQNLLKEVDNLYNIEILRLPKALREMNWLDYF  
ALGGNKQALEEAATADLDITEINKLTAEAIQTPLKSAKTRKVIQVDEMIVEEEEEENERKNLQTARVKRCPPSKKRT  
QSIQGGKGGKRSSSRANTVTPAVGRLEVSMVKPTPGLTPRFDSRVFKTPGLRTPAAGERIYNISGNGSPLADSKEIFL  
TVPVGGGESLRLASDLQRHSIAQLDPEALGNIKKLSNRLAQCSSIRTHK

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.