

AR09990PU-L

Human CDCA8 / Borealin (19-280, His-tag) - Purified

Alternate names:

Cell division cycle-associated protein 8, Dasra-B, PESCRG3, Pluripotent embryonic stem cell-related gene 3 protein, hDasra-B

Quantity:

0.25 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q53HL2](#)

NCBI:

[NP_060571](#)

GeneID:

[55143](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 1mM EDTA, 0.2M NaCl

Description:

Recombinant human CDCA8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MRKLASFLKD FDREVEIRIK QIESDRQNLL KEVDNLYNIE
ILRLPKALRE MNWLDYFALG GNKQALEEAA TADLDITEIN KLTAEAIQTP LKSAKTRKVI
QVDEMIVEEE EEEENERKNL QTARVKRCPP SKKRTQSIQG KGKGRSSRA NTVTPAVGRL
EVSMVKPTPG LTPRFDSRVF KTPGLRTPAA GERIYNISGN GSPLADSKEI FLTPVPVGGGE
SLRLLASDLQ RSHIAQLDPE ALGNIKKLSN RLAQICSSIR THK

Molecular weight: 31.6 kDa (283aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

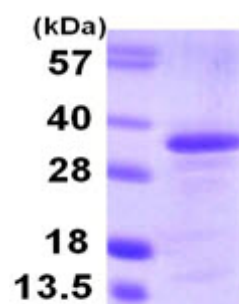
Shelf life: one year from despatch.

General Readings:

Gassmann R., et al. (2004) J Cell Biol.166:179-191.

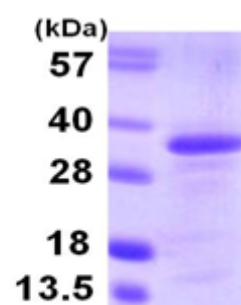
Chang J L., et al. (2006) EXP Cell Res. 312:962-973.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human CDCA8, 19-280 aa,
His-tagged



15% SDS-PAGE (3ug)