

Recombinant human CETN1 protein

Catalog Number: ATGP1544

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-172aa

UniProt No.

Q12798

NCBI Accession No.

NP_004057

Alternative Names

Centrin, CEN1, CETN

PRODUCT SPECIFICATION

Molecular Weight

22.1 kDa (196aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Centrin, also known as CETN1, is an EF-hand type Ca²⁺-binding protein. It is localized to the centrosome of interphase cells, and redistributes to the region of the spindle poles during mitosis, reflecting the dynamic behavior of the centrosome during the cell cycle. CETN1 plays an important role in the determination of centrosome position and segregation, and in the process of microtubule severing. Recombinant human CETN1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSH>MASGFK KPSAASTGQK RKVAPKPELT EDQKQEVREA FDLFDVDGSG
TIDAKELKVA MRALGFEPK EEMKKMISEV DREGTGKISF NDFLAVMTQK MSEKDTKEEI LKAFRLFDDD ETGKISFKNL
KRVANELGEN LTDEELQEMI DEADRDGDGE VNEEEFLRIM KKTSLY

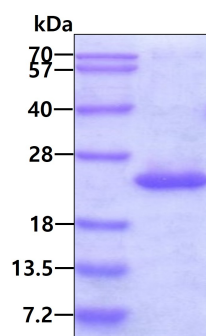
General References

LeDizet M., et al. (1998) Am J Physiol. 275:L1145-1156.

Araki M., et al. (2001) J Biol Chem. 276: 18665-18672.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.