

AR50368PU-S**Human Centrin-1 (1-172, His-tag) - Purified****Alternate names:**

CEN1, CETN, CETN1, Caltractin isoform 2

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[Q12798](#)**NCBI:**[NP_004057](#)**GeneID:**[1068](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT**Description:**

Recombinant human CETN1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSHTASGFK KPSAASTGQK RKVAPKPELT EDQKQEVREA
FDLFDVDGSG TIDAKELKVA MRALGFEPK EEMKKMISEV DREGTGKISF NDFLAVMTQK
MSEKDTKEEI LKAFRLFDDDD ETGKISFKNL KRVANELGEN LTDEELQEMI DEADRDGDGE
VNEEEFLRIM KKTSLY

Molecular weight: 22.1 kDa (196aa), confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

LeDizet M., et al. (1998) Am J Physiol. 275:L1145-1156. Araki M., et al. (2001) J Biol Chem. 276: 18665-18672.

Pictures:

