

AR50368PU-N**Human Centrin-1 (1-172, His-tag) - Purified**

Alternate names:	CEN1, CETN, CETN1, Caltractin isoform 2
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	Centrin, also known as CETN1, is an EF-hand type Ca ²⁺ -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: MGSSHHHHH SSGLVPRGSH MGSHMASGFK 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:

