

Recombinant Human Centrin, EF-hand Protein, 1, His-tagged

Cat. No. CETN1-6776H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant humanCETN1 protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Centrin, also knownas CETN1, is an EF-hand type Ca ²⁺ -binding protein. It is localized to thecentrosome of interphase cells, and redistributes to the region of thespindle poles during mitosis, reflecting the dynamic behavior of thecentrosome during the cell cycle. CETN1 plays an important role in thedetermination of centrosome position and segregation, and in the process ofmicrotubule severing.
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol,1mM DTT
Molecular Weight	22.1 kDa (196aa),confirmed by MALDI-TOF
Purity	> 90% by SDS -PAGE
Concentration	0.5 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHSSGLVPRGSH MGSHMASGFK KPSAASTGQK RKVAPKPELT EDQKQEVREA FDLFDVDGSG TIDAKELKVAMRALGFEPKKEEMKKMISEV DREGTGKISF NDFLAVMTQK MSEKDTKEEI LKAFRLFDDDD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ETGKISFKNLKRVANELGEN LTDEELQEMI DEADRDGDGE VNEEEFLRIM KKTSLY

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

GENE INFORMATION
Gene Name

CETN1 centrin, EF-hand protein, 1 [Homo sapiens]

Official Symbol

CETN1

Synonyms

CETN1; centrin, EF-hand protein, 1; CETN; centrin-1; CEN1

Gene ID

1068

mRNA Refseq

NM_004066

Protein Refseq

NP_004057

MIM

603187

Uniprot ID

Q12798

**Chromosome
Location**

18p11.32

Function

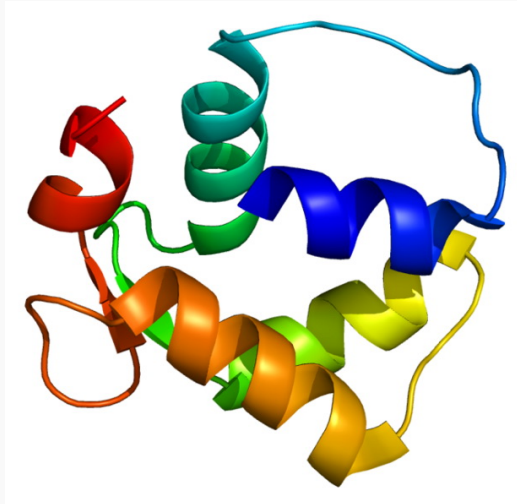
ATP binding; ATP-dependent helicase activity; G-protein beta/gamma-subunit complex binding; calcium ion binding; nucleic acid binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering based
on 1m39.



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA