

# Recombinant human CETN3 protein

Catalog Number: ATGP0695

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-167aa

### UniProt No.

O15182

### NCBI Accession No.

NP\_004356

### Alternative Names

Centrin-3, CEN3, Centrin-3

## PRODUCT SPECIFICATION

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### Molecular Weight

21.7 kDa (187aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

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

### Purity

> 95% 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

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### Description

CETN3 contains four EF-hand calcium binding domains, and is a member of the centrin protein family. This protein is ubiquitously expressed cytoskeletal components that show increased expression during cell differentiation. It plays a role in centrosome reproduction. Recombinant human CETN3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MSLALRSELV VDKTKRKKRR ELSEEQKQEI KDAFELFDTD KDEAIDYHEL KVAMRALGFD

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VKKADVLKIL KDYDREATGK ITFEDFNEVV TDWILERDPH EEILKAFKLF DDDDSGKISL RNLRRVAREL GENMSDEELR  
AMIEEFDKDG DGEINQEEFI AIMGDI

## General References

Middendorp S, et al.. (1997) Proc Natl Acad Sci u S A. 94 (17): 9141-6

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)