

# Recombinant Human Centrin, EF-hand Protein, 3, His-tagged

Cat. No. CETN3-2788H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human CETN3 protein (1-167aa), fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-167 a.a.
<b>Description</b>	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.
<b>Sequences</b>	MGSSHHHHHH SSGLVPRGSH MSLALRSELV VDKTKRKKRR ELSEEQKQEI KDAFELFDTD KDEAIDYHEL KVAMRALGFD VKKADVLKIL KDYDREATGK ITFEDFNEVV TDWILERDPH EEILKAFKLF DDDDSGKISL RNLRRVAREL GENMSDEELR AMIEEFDKDG DGEINQEEFI AIMTGDI.
<b>Form</b>	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT.
<b>Molecular Weight</b>	21.7 kDa (187aa), confirmed by MALDI-TOF.
<b>Purity</b>	> 95% by SDS – PAGE.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

**Concentration** 0.5 mg/ml (determined by Bradford assay).

**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** [CETN3 centrin, EF-hand protein, 3 \[ Homo sapiens \]](#)

**Synonyms** CETN3; centrin, EF-hand protein, 3; CDC31 yeast homolog; EF-hand superfamily member; centrin, EF-hand protein, 3 (CDC31 homolog, yeast); centrin-3; CEN3; MGC12502; MGC138245

**Gene ID** [1070](#)

**mRNA Refseq** [NM\\_004365](#)

**Protein Refseq** [NP\\_004356](#)

**MIM** [602907](#)

**UniProt ID** [O15182](#)

**Chromosome Location** 5q14.3

**Function** [G-protein beta/gamma-subunit binding](#); [calcium ion binding](#)

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