

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	1-167 a.a.
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.
Sequences	MGSSHHHHHH SSGLVPRGSH MSLALRSELV VDKTKRKKRR ELSEEQKQEI KDAFELFDTD KDEAIDYHEL KVAMRALGFD VKKADVLKIL KDYDREATGK ITFEDFNEVV TDWILERDPH EEILKAFKLF DDDDSGKISL RNLRRVAREL GENMSDEELR AMIEEFDKDG DGEINQEEFI AIMTGDI.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT.
Molecular Weight	21.7 kDa (187aa), confirmed by MALDI-TOF.
Purity	> 95% by SDS – PAGE.

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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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