

Recombinant Human CETN3, His-tagged

Cat. No. CETN3-27956TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Centrin 3 (aa 1-167), with N terminal His-tag; 187aa, MWt 21.7kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	167 amino acids
Description	The protein encoded by this gene contains four EF-hand calcium binding domains, and is a member of the centrin protein family. Centrins are evolutionarily conserved proteins similar to the CDC31 protein of <i>S. cerevisiae</i>. Yeast CDC31 is located at the centrosome of interphase and mitotic cells, where it plays a fundamental role in centrosome duplication and separation. Multiple forms of the proteins similar to the yeast centrin have been identified in human and other mammalian cells, some of which have been shown to be associated with centrosome fractions. This protein appears to be one of the most abundant centrins associated with centrosome, which suggests a similar function to its yeast counterpart.
Conjugation	HIS
Molecular Weight	21.700kDa inclusive of tags
Form	Liquid

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Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSLALRSELV VDKTKRKKRR ELSEEQKQEI KDAFELFDTD KDEAIDYHEL KVAMRALGFD VKKADVLKIL KDYDREATGK ITFEDFNEVV TDWILERDPH EEILKAFKLF DDDDSGKISL RNLRRVAREL GENMSDEELR AMIEEFDKDG DGEINQEEFI AIMGDI

GENE INFORMATION

Gene Name	CETN3 centrin, EF-hand protein, 3 [Homo sapiens]
Official Symbol	CETN3
Synonyms	CETN3; centrin, EF-hand protein, 3; centrin, EF hand protein, 3 (CDC31 yeast homolog); centrin-3; CDC31 yeast homolog; CEN3; EF hand superfamily member;
Gene ID	1070
mRNA Refseq	NM_004365
Protein Refseq	NP_004356
MIM	602907
Uniprot ID	O15182

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Chromosome Location	5q14.3
Function	G-protein beta/gamma-subunit complex binding; calcium ion binding;