

## Recombinant Human CETN3, His-tagged

Cat. No. CETN3-11130H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CETN3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 1-167a.a.

**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 *S. cerevisiae*. 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.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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## GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | CETN3 centrin, EF-hand protein, 3 [ Homo sapiens ]  |
| <b>Official Symbol</b>     | CETN3   |
| <b>Synonyms</b>            | CETN3; centrin, EF-hand protein, 3; centrin, EF hand protein, 3 (CDC31 yeast homolog); centrin-3; CDC31 yeast homolog; CEN3; EF hand superfamily member; EF-hand superfamily member; centrin, EF-hand protein, 3 (CDC31 homolog, yeast); MGC12502; MGC138245; |
| <b>Gene ID</b>             | 1070  |
| <b>mRNA Refseq</b>         | NM_004365   |
| <b>Protein Refseq</b>      | NP_004356   |
| <b>MIM</b>                 | 602907  |
| <b>UniProt ID</b>          | O15182  |
| <b>Chromosome Location</b> | 5q14.3  |
| <b>Function</b>            | G-protein beta/gamma-subunit complex binding; calcium ion binding;  |

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