

# Recombinant Human Centrin, EF-Hand Protein, 2, His-tagged

**Cat. No.** CETN2-3375H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human CETN2 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 21.9 kDa (192aa).                                                                                                                                                         |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>              | CETN2, also called caltractin, belongs to a family of calcium-binding proteins and is a structural component of the centrosome. This protein plays a role in nucleotide excision repair via association with xeroderma pigmentosum group C protein, suggesting possible coupling of cell division and nucleotide excision repair. |
| <b>Form</b>                     | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl, 1mM DTT.                                                                                                                                                                                                                                                  |
| <b>Purity</b>                   | > 90% by SDS - PAGE.                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>            | 0.5 mg/ml (determined by Bradford assay).                                                                                                                                                                                                                                                                                         |
| <b>Sequences Of Amino Acids</b> | MGSSHHHHHH SSGLVPRGSH MASNFKKANM ASSSQRK RMS PKPELTEEQK<br>QEIREAFDLF DADGTGTIDV KELKVAMRAL GFEPKKEEIK KMISEIDKEG<br>TGKMNF GD FL TVMTQKMSEK DTKEEILKAF KLFDDDET GK ISFKNLKRVA<br>KELGENLTDE ELQEMIDEAD RDGDGEVSEQ EFLRIMKKTS LY.                                                                                                 |
| <b>Storage</b>                  | 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.                                                                                                                                                                             |

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**Pathways** Nucleotide excision repair; Cell Cycle, Mitotic

## GENE INFORMATION

**Gene Name** CETN2 centrin, EF-hand protein, 2 [ Homo sapiens ]

**Synonyms** centrin, EF-hand protein, 2; CALT; CEN2; CETN2; centrin-2; caltractin (20kD calcium-binding protein); Caltractin isoform 1

**Gene ID** 1069

**mRNA Refseq** NM\_004344

**Protein Refseq** NP\_004335

**MIM** 300006

**UniProt ID** P41208

**Chromosome Location** Xq28

**Function** ATP binding; ATP-dependent helicase activity; G-protein beta/gamma-subunit binding; calcium ion binding; nucleic acid binding; protein binding

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