

Recombinant Human CETN2, His-tagged

Cat. No. CETN2-11129H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human CETN2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-172a.a. |
| Description | Caltractin belongs to a family of calcium-binding proteins and is a structural component of the centrosome. The high level of conservation from algae to humans and its association with the centrosome suggested that caltractin plays a fundamental role in the structure and function of the microtubule-organizing center, possibly required for the proper duplication and segregation of the centrosome. |
| Storage | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles. |
| Storage Buffer | 1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol. |

GENE INFORMATION

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

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| Official Symbol | CETN2 |
| Synonyms | CETN2; centrin, EF-hand protein, 2; CALT; centrin-2; CEN2; caltractin (20kD calcium-binding protein); |
| Gene ID | 1069 |
| mRNA Refseq | NM_004344 |
| Protein Refseq | NP_004335 |
| MIM | 300006 |
| UniProt ID | P41208 |
| Chromosome Location | Xq28 |
| Pathway | Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem; Mitotic G2-G2/M phases, organism-specific biosystem; |
| Function | ATP binding; ATP-dependent helicase activity; G-protein beta/gamma-subunit complex binding; calcium ion binding; nucleic acid binding; protein binding; |

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