Recombinant Human CETN2, His-tagged

Cat. No. CETN2-27957TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Centrin 2 with an N terminal His tag; 192 amino acids with tag, Predicted MWt 21.9 kDa.
Species	Human
Source	E.coli
ProteinLength	172 amino acids
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.
Conjugation	HIS
Molecular Weight	21.900kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 10% Glycerol, 0.58% Sodium chloride, 0.02% DTT

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMASNFKKANMASSSQRKRMS PKPELTEEQKQEIR EAFDLFDADGTGTIDVKELKVAMRAL GFEPKKEEIKKMISEIDKEGTGKMNFGDFLT VMTQKMSEK DTKEEILKAFKLFDDDETGKISFKNLKRVAKELGENLTDE ELQEMIDE ADRDGDGEVSEQEFLRIMKKTSLY
Sequence Similarities	Belongs to the centrin family.Contains 4 EF-hand domains.

GENE INFORMATION

Gene Name	CETN2 centrin, EF-hand protein, 2 [Homo sapiens]
Official Symbol	CETN2
Synonyms	CETN2; centrin, EF-hand protein, 2; CALT; centrin-2; CEN2;
Gene ID	1069
mRNA Refseq	NM_004344
Protein Refseq	NP_004335
MIM	300006
Uniprot ID	P41208
Chromosome Location	Xq28

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

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