

## Product datasheet for **SC123515**

### Centrin 1 (CETN1) (BC029515) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Centrin 1 (CETN1) (BC029515) Human Untagged Clone
Tag:	Tag Free
Symbol:	Centrin 1
Synonyms:	calcium binding protein; CEN1; centrin, EF-hand protein, 1; Centrin-1; centrin 1; CETN; EF-hand protein
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC029515 edited

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GAATGAGAGCGCGGGGCGGTGCCGTTGGGACCACGGCGGCCAGAGCGGCAGGATGGCTTC
CGGCTTCAAGAAGCCCAGCGCTGCCTCCACCGGCCAAAAGAGAAAGGTGGCACCTAAGCC
CGAGCTCACTGAGGATCAGAAGCAAGAAGTTCGGGAAGCATTGACCTCTTCGACGTGGA
CGGAAGTGGGACCATCGACGCGAAGGAGCTGAAGGTGGCCATGAGAGCGCTGGGCTTCGA
ACCCAGGAAGGAAGAGATGAAGAAAATGATCTCCGAGGTGGACAGGAAGGCACGGGGAA
GATCAGCTTCAATGACTTCTGGCCGTGATGACGAGAAGATGTCCGAGAAGGACACCAA
AGAAGAAATCCTGAAGGCCTTCAGGCTCTTTGATGACGATGAGACCGGGAAGATCTCGTT
CAAAAACCTGAAGCGTGTGGCCAACGAGCTGGGGGAGAACCTCACGGATGAGGAGCTGCA
GGAGATGATCGACGAAGCTGATCGGGATGGGGACGGCGAAGTGAACGAGGAGGAGTTCCT
TCGGATCATGAAGAAGACCAGCCTTTACTGAAGTCGGTTCAGAAGCTAAAGTGACTCTCT
GGGTTGCCTGCTTCCATTTTGTAAACCTTAGAGGACAGCGGCTGCCTGTCCCTTCTTCA
CCCCCTCACCCCAATAATTTGTCTAGATCTATTTCCATATCTCTAGTTCAATAATAGAAT
TTGAAAGATGCTTGAATGTGAGTTTTGGGTTTTAATTCTCAAGAGTCAACCTGGAGCAC
ATGAGGTTAAACAAGGGCCCTGAAGTTTGAGTGCGCCCTCCATTTGCCCTGTGCTGAAC
TTGAGAGACATCTGTTGATCTGGAGGCAGGACAGCTTCTGGGACACACAAAATGTGGT
TCCCTTTGTCACCTCTTTGGTGGTCTTAAATTATCTTGCTTCATATATCATTCTTAAAT
TCCAGTCATTGTTCCAGCATAATGAGATGGAATCTGCCAGTAGATTTGCCTAGCCTGTCC
ACTTAGCTGAATACCAGTTTGAAGGAAAACAGGGTGGCCACTTACAACTTACGGAGCTC
AGGACAGATAATCTTATAAAGAATAGACTTGCTTGGGTGGTAGTACGTTGTGCAATTTTG
ACTATTCAGTGGCTTTATACCTGCAAATGATTCTCGTTCATGTGTAATTTGTCCACCAT
GGGTTTATCTAGGGCTAGTATGTATACCTGGGCTACAGAATAAAAATAAAATCTAATACT
GGCCAAGCAAAAAAAAAAAAAAAAAA

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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC029515 unedited GGAGATTGATTTGTATACGTCCTTTATGGGCGGCCGCATCACTTCGTATAGCATACATTA TTCGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTTCGAGAGCGGGAATGAG AGCGCGGGGGCGGTGCCGTTGGGACCACGGCGGCCAGAGCGGCAGGATGGCTTCCGGCTTC AAGAAGCCCAGCGCTGCCTCCACCGCCAAAAGAGAAAGTGGCACCTAAGCCCGAGCTC ACTGAGGATCAGAAGCAAGAAGTTCGGGAAGCATTGACCTCTTCGACGTGGACGGAAGT GGGACCATCGACGCGAAGGAGCTGAAGGTGGCCATGAGAGCGCTGGGCTTCGAACCCAGG AAGGAAGAGATGAAGAAAATGATCTCCGAGGTGGACAGGGAAGGCACGGGGAAGATCAGC TTCAATGACTTCTGGCCGTGATGACGCGAAGATGTCCGAGAAGGACACCAAAGAAGAA ATCCTGAAGGCCTTCAGGCTCTTTGATGACGATGAGACCGGGAAGATCTCGTTCAAAAAC CTGAAGCGTGTGGCCAACGAGCTGGGGGAGAACCTCACGGATGATGAGCTGCAGGAGATG ATCGACGAAGCTGATCGGGATGGGGACGGCGAAGTGAACGATGAGGAGTTCCTTCGGATC ATGAAGAAGACCAGCCTTACTGAAGTCGGTTCAGAAGCTAAAGTGACTCTCTGGGTTGC CTGCTTCCATTTTGTGAAACCTTAGAGGACAGCGGCTGCCTGTCCCTTTCACCCCTCA CCCCATATTTGTCTAGATCTATTTCCATATCTCTAGTTCATAATAGAATTTGAAAGATGC TGTATGTGAGTTTTGGGTTAATTCTCAAGAGTCACCTGGAGCACATGAGTAAACATAG GC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC029515
<b>Insert Size:</b>	1285 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u>BC029515.1, AAH29515.1</u>
<b>RefSeq Size:</b>	1285 bp
<b>Locus ID:</b>	1068
<b>Cytogenetics:</b>	18p11.32
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:**

The protein encoded by this gene plays important roles in the determination of centrosome position and segregation, and in the process of microtubule severing. This protein is localized to the centrosome of interphase cells, and redistributes to the region of the spindle poles during mitosis, reflecting the dynamic behavior of the centrosome during the cell cycle. [provided by RefSeq, Jan 2015]