

## Product datasheet for MR201460

### Cetn1 (NM\_007593) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cetn1 (NM\_007593) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cetn1  
**Synonyms:** caltractin  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201460 representing NM\_007593  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTCCACCTTCAGGAAGTCAAACGTTGCCTCTACCAGCTACAAGAGAAAGTGGGTCTAAGCCTG  
AACTACCGAAGATCAAAGCAAGAAGTTCGGGAAGCCTTTGACCTCTTCGATTCTGATGGGAGCGGGAC  
CATCGATGTGAAGGAGCTGAAGTGGCCATGAGAGCACTTGGCTTTGAACCCAGGAAGGAAGAGATGAAG  
AAAATGATTTAGAAAGTAGACAAAGAGGCCACAGGAAAGATCAGCTTCAATGACTTCTGGCTGTGATGA  
CTCAGAAGATGGCCGAGAAAGATACCAAAGAGGAAATCCTGAAGGCTTTCAGGTTGTTTGTGACGACGA  
AACTGGGAAAATTTCAATCAAAAACCTCAAGCGTGTGGCCAATGAGCTGGGGGAAAGCCTCACAGACGAG  
GAGCTGCAGGAAATGATTGATGAAGCTGATCGTGATGGCGACGGAGAAGTGAACGAGGAAGATTTCTTA  
AGATCATGAAAAAGACCAACCTTTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201460 representing NM\_007593  
Red=Cloning site Green=Tags(s)

MASTFRKSNVASTSYKRKVGPKPELTEDQKQEVREAFDLFSDSGSGTIDVKELKVAMRALGFEPKKEEMK  
KMISEVDKEATGKISFNDFLAVMTQKMAEKDTKEEILKAFRLFDDDETGKISFKNLKRANELGESLTDE  
ELQEMIDEADRDGDGEVNEEEFLKIMKKTNLY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9035\\_f01.zip](https://cdn.origene.com/chromatograms/mm9035_f01.zip)



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_007593

ORF Size: 516 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM\\_007593.5](#), [NP\\_031619.3](#)

RefSeq Size: 1051 bp

RefSeq ORF: 519 bp

Locus ID: 26369

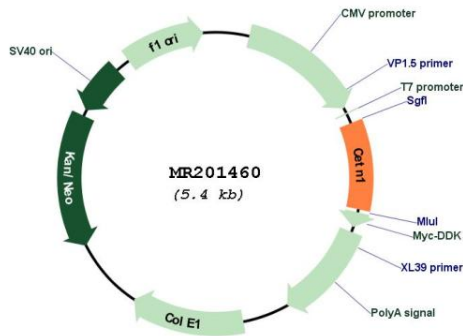
UniProt ID: [P41209](#)

**Cytogenetics:** 18 A1

**MW:** 20.1 kDa

**Gene Summary:** Plays a fundamental role in microtubule-organizing center structure and function (By similarity). Plays a role in sperm cilia formation (PubMed:27530713).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201460