

Product datasheet for **MG201460**

Cetn1 (NM_007593) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cetn1 (NM_007593) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cetn1
Synonyms: caltractin
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201460 representing NM_007593
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTCCACCTTCAGGAAGTCAAACGTTGCCTCTACCAGCTACAAGAGAAAGTGGGTCCTAAGCCTG
 AACTCACCGAAGATCAAAGCAAGAAGTTCGGGAAGCCTTTGACCTCTTCGATTCTGATGGGAGCGGGAC
 CATCGATGTGAAGGAGCTGAAGGTGGCCATGAGAGCACTTGGCTTTGAACCCAGGAAGGAAGAGATGAAG
 AAAATGATTTAGAAAGTAGACAAAGAGGCCACAGGAAAGATCAGCTTCAATGACTTCTTGGCTGTGATGA
 CTCAGAAGATGGCCGAGAAAGATACCAAAGAGGAAATCCTGAAGGCTTTCAGGTTGTTTGTGACGACGA
 AACTGGGAAAATTTCAATCAAAAACCTCAAGCGTGTGGCCAATGAGCTGGGGGAAAGCCTCACAGACGAG
 GAGCTGCAGGAAATGATTGATGAAGCTGATCGTGTGACGACGGAGAAGTGAACGAGGAAGATTTCTTA
 AGATCATGAAAAAGACCAACCTTTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201460 representing NM_007593
 Red=Cloning site Green=Tags(s)

MASTRKSNVASTSYKRKVGPKPELTEDQKQEVREAFDLFSDSGSGTIDVKELKVAMRALGFEPKREEMK
 KMISEVDKEATGKISFNDFLAVMTQKMAEKDTKEEILKAFRLFDDDETGKISFKNLKRANELGESLTDE
 ELQEMIDEADRDGDGEVNEEEFLKIMKKTNLY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

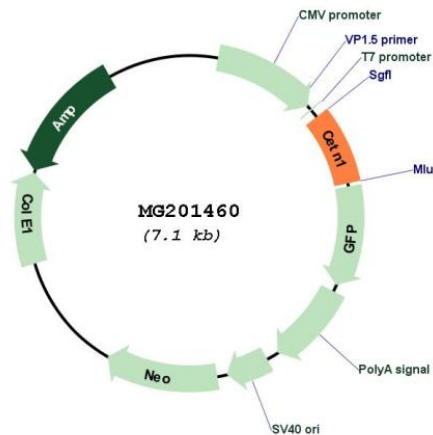


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Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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:	<u>NM_007593.5</u> , <u>NP_031619.3</u>
RefSeq Size:	1051 bp
RefSeq ORF:	519 bp
Locus ID:	26369
UniProt ID:	<u>P41209</u>
Cytogenetics:	18 A1
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]