

## Product datasheet for **MG201365**

### Cetn3 (NM\_007684) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Cetn3 (NM\_007684) Mouse Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: Cetn3  
 Synonyms: MmCEN3  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >MG201365 representing NM\_007684  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGTTTAGCTCTGAGAGGTGAGCTTGTAGTAGACAAAACAAAAGGAAAAACGAAGAGAGCTCTCTG  
 AAGAACAGAAGCAAGAAATTAAGATGCTTTTGTAGCTGTTTGATACCGACAAAGACCAAGCCATAGATTA  
 TCATGAATTAAGGTGGCAATGAGAGCCTTGGCTTTGATGTGAAAAGGCTGATGTGTTGAAGATTCTT  
 AAAGATTATGACAGAGAAGCCACTGGCAAGATCACATTTGAAGATTTAATGAAGTTGTGACAGACTGGA  
 TACTAGAGAGAGATCCACATGAGGAGATACTGAAAGCATTTAACTATTTGACGATGACGATTCCAGGAAA  
 GATAAGCTTGAGGAATTTACGGCGTGTGCCAGAGAGCTGGGTGAGAACATGAGCGATGAGGAGCTCCGG  
 GCCATGATAGAGGAGTTTGACAAAGACGCGATGGAGAGATAAATCAAGAGGAGTTCATTGCTATTATGA  
 CTGGTGACATA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201365 representing NM\_007684  
 Red=Cloning site Green=Tags(s)

MSLALRGELVVDKTKRKRRELSEEQKQEIKDAFELFDTDKDQAIIDYHELKVAMRALGFDVKKADVLIKIL  
 KDYDREATGKITFEDFNVEVTDWILERDPHEEILKAFKLFDDDDSGKISLRNLRRVARELGENMSDEELR  
 AMIEEFDKDGGEINQEEFIAIMTGDI

**TRTRPLE** - GFP Tag - V

Restriction Sites: SgfI-MluI

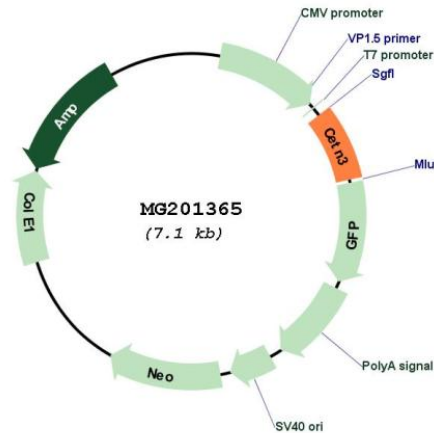


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## Cloning Scheme:



## Plasmid Map:



ACCN: NM\_007684

ORF Size: 501 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.

<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><a href="#">NM_007684.3</a></u> , <u><a href="#">NP_031710.1</a></u>
<b>RefSeq Size:</b>	1013 bp
<b>RefSeq ORF:</b>	504 bp
<b>Locus ID:</b>	12626
<b>UniProt ID:</b>	<u><a href="#">O35648</a></u>
<b>Cytogenetics:</b>	13 C3
<b>Gene Summary:</b>	Plays a fundamental role in microtubule-organizing center structure and function. [UniProtKB/Swiss-Prot Function]