

## Product datasheet for **MG220067**

### Ccdc103 (NM\_028492) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ccdc103 (NM\_028492) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ccdc103  
**Synonyms:** 1700039D13Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG220067 representing NM\_028492  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGAAGAACGATGTAATCAACTTCAAGGCCCTGGAGAAAGAGCTGCAGGCTGCCCTTGCTGCTGACG  
 AGAAGTACAAAAGGGAGAACGCAGCCAAGTTACGGGCAGTTGAGCAAAGGGTGCCTTCTATGAGGAGTT  
 CAGAGGTATTGTTCTTGATCACACCTGAAACCTCTGGAACAAAAGGACAAGATGGGAGGAAAGAGATTT  
 GTGCCCTGGAATTGTCACTACTCGGAAAGGACTTCTCAAGATGTGGTCACTGAAATACCCAGGAGA  
 AATCACCTTCCAGCCACCACCTCTGCAGAATTTACCGTGATTGGCGGCGACACTTAAGAAGTGGGCC  
 AGAGCGCTACCAGGCCCTACTTCAGCTTGGGGGCCCAAGCTGGGCCACCTCTCCAGATGGATGTGGGC  
 TTTGGACTTCTTGGGAGCTGCTGGTGGCATTGGCTGAGCACGCGAGGCTGAGCGACCGGACAGCAGTGC  
 TGGGGATTCTGCACAGCCTGGCTAACACTGGGCGGTTCAACTTGAACCTGAGCCTGCTGAGCCATGCAGA  
 GCGAGAGAGCTGCCAGCGCCTGTTTCAGAAGTTGCAAGCCATGAGCACCACCAGACCCATGCAGGAGGGC  
 CTCACTGTGGAGGAGCCATCTGCTGGGCTACAGGGAGAAGAAGGGCTCTACAGGAGCTGCTAGAAGTGT  
 ATGGAGTCCAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220067 representing NM\_028492  
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MEKNDVINFKALEKELQAALAADEKYKRENAAKLRAVEQRVPSYEEFRGIVLASHLKPLEQKDKMGGKRF  
 VPWNCHTTRERTSQDVTTEIPQEKSPFQPTTSAEFYRDWRRHLRSGPERYQALLQLGGPKLGHLFQMDVG  
 FGLLGELLVALAEHARLSDRTAVLGILHSLANTGRFNLNLSLLSHAERESCQRLFQKQLQAMSTTRPMQEG  
 LTVEEPSAGLQGEELLQELLELYGVH

TRTRPLE - GFP Tag - V

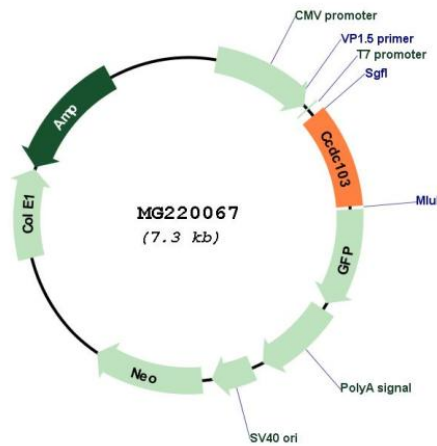
**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_028492

**ORF Size:** 711 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_028492.3</a>
<b>RefSeq Size:</b>	1800 bp
<b>RefSeq ORF:</b>	714 bp
<b>Locus ID:</b>	73293
<b>UniProt ID:</b>	<a href="#">Q9D9P2</a>
<b>Cytogenetics:</b>	11 E1
<b>Gene Summary:</b>	Dynein-attachment factor required for cilia motility.[UniProtKB/Swiss-Prot Function]