

## Product datasheet for **MG215216**

### 1110017D15Rik (NM\_001048005) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 1110017D15Rik (NM\_001048005) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** 1110017D15Rik  
**Synonyms:** Cbe1; Smrp1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG215216 representing NM\_001048005  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCTCTTCTCCCGAAGACCAAGACCCCATCAGCACCTACAGTGACTCCTACAGGGCTCCTACCT  
CCATCAAGGAGGTCTATAAGGACCCACCACTATGGCCTGGGAAGCCAACAAGTTGTGACCCAGGTCT  
GACTCAGACTATGCACCGCCACGTGGACCCTGAGGCCCTGCAGAAGATGACCAAATGTGCCGCACAGGAC  
TACACCTATAAGAGTTCCATATCAGGTCACCTTATTTGCCTGAGAAATACTGGCTCTCTCCAGATGAAG  
AGGACAAATGCTGTCCGAGCTACCTGGACAATGACCGGTACAACACGTGGAAGACGAGTCCTTGCAGCAA  
CTACTGGAACAAGTATACCGGCTGTCTTCTCGACTGTCCAAGGACACCGGGATGGAGTCAGTTCGAGGA  
ATGCCGTTGGAATATCCTCCTAAGCAGGAGCGCCTCAACGCCCTACGAGCGCGAGGTAGTGGTGAACATGC  
TGAACGCTGTCTCGGAACCGGACTCTGCCGAGATTGTACCCCGCTGTGGGTGCGTGGACCCTCTCC  
GGGCCGATTGCCATACCAAGGATATGAAAGCCCTTGCTCCGGCCGCCACTACTGTCTGCGCGGGATGGAC  
TACTGCACCACCCGGGAGCCTAGCACAGAACGCCGCTGCGGCCCTTTGTGCTCGCAGCAGCCGACTGAGT  
GTGTCGCCCTTCGGTCACCGCCAGGAATGCAATGTGCTGTTACAACCTCCCCGCCATCATTTTACCCGT  
ATCCCAACCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG215216 representing NM\_001048005  
 Red=Cloning site Green=Tags(s)

MFLFSRKTTPISTYSDSYRAPTSIKEVYKDPPLWAWEANKFVTPGLTQTMHRHVDPEALQKMTKCAAQD  
 YTYKSSISGHPYLPEKYWLSPEEDKCCPSYLDNDRYNTWKTSPCSNYWNKYTGCLPRLSKDTGMESVRG  
 MPLEYPPKQERLNAYEREVVNMLNLSRNRTL PQIVPRCGVDPLPGRLPYQYESPSCSGRHYCLRGMD  
 YCTTREPSTERRLRPLCSQQPTCEVALRSPARNAMCCYNSPAIIILPVSQP

TRTRPLE - GFP Tag - V

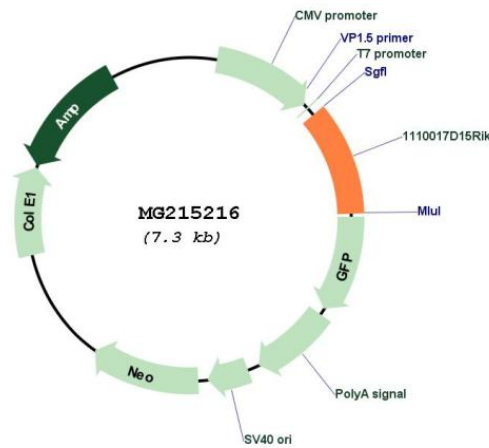
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001048005

**ORF Size:** 780 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_001048005.1</a> , <a href="#">NP_001041470.1</a>
<b>RefSeq Size:</b>	1127 bp
<b>RefSeq ORF:</b>	783 bp
<b>Locus ID:</b>	73721
<b>UniProt ID:</b>	<a href="#">Q2MH31</a>
<b>Cytogenetics:</b>	4 A5
<b>Gene Summary:</b>	May be involved in differentiation or function of ciliated cells (By similarity). May play a role in spermatogenesis.[UniProtKB/Swiss-Prot Function]