

## Product datasheet for **MG201900**

### 5830417C01Rik (BC046816) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 5830417C01Rik (BC046816) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** 5830417C01Rik  
**Synonyms:** 5830417C01Rik; DeSI-2; Fam152a; Pppde1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201900 representing BC046816  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGCTAACCAGTTAGTGGTCTCAACGTCTACGACATGACTGGATGAATGAATACACCTCATCTA  
TTGGAATTGGAGTTTTTCATTCTGGAATTGAAGTATATGGCAGAGAGTTTGCTTATGGTGGCCATCCATA  
TCCTTTTTCTGGAATATTTGAAATTTCCCAGGAAATGCTTCTGAGCTAGGAGAAACATTTAAATTTAAA  
GAAGCTGTTGTTCTAGGAAGTACGGACTTCTAGAAGATGATATAGAGAAAATTTAGAAGAACTGGGGA  
AAGAGTATAAGGGCAACGCCTACCATCTGATGCACAAAACTGCAATCACTTTTCTCAGCTTTATCAGA  
GATTCTCTGTGGAAAGAGATTCTCGCTGGATCAACCGCTGGCCTACTTCAGCTCCTGTATACCCCTT  
CTACAGAGTTGCCTGCCAAAGGAGTGGCTCACTCCTGCTGCACCTCAGTCTAGTGTGAGCAAGAACTCC  
AGGATGAAGTGAAGAAGCAGAGGATGCAGCCGCATCCAGTGCCATGGCAAGTGTGAGCTGGTCCAG  
AACTGGGCGTCACACTAAACTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201900 representing BC046816  
Red=Cloning site Green=Tags(s)

MGANQLVVLNVYDMYWMNEYTSSIGIGVFHSGIEVYVYREFAYGGHPYPSGIFEIFSPGNASELGETFKFK  
EAVVLGSTDFLIEDDIEKIVEELGKEYKGNAYHLMHKNCNHFSALSEILCGKEIPRWINRLAYFSSCIPF  
LQSLPKEWLTPAALQSSVSQELQDELEEAEDAAASSAMASAAAGARTGRHTKL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** BC046816

**ORF Size:** 584 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:** [BC046816](#), [AAH46816](#)

**RefSeq Size:** 4072 bp

**RefSeq ORF:** 584 bp

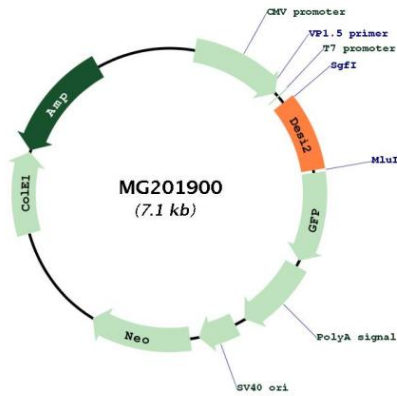
**Locus ID:** 78825

**Cytogenetics:** 1 H4

**Gene Summary:**

Has deubiquitinating activity towards 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. Deubiquitinates 'Lys-48'-linked polyubiquitination of RPS7 leading to its stabilization. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG201900