

## Product datasheet for **MG201110**

### Prosc (BC061045) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prosc (BC061045) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Prosc  
**Synonyms:** 1700024N20Rik; 2200002F22Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201110 representing BC061045  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTGAGAGGTGGCAGCATGACGGCGGAGCTGGGAGTCGGGTTTCGCGCTGCGGGCCGTGAACGAGCGAG  
 TCCAGCAGAGTGTGGCGCGGCCGCGGGACCTCCCAGCCATCCAACCCGGCTCGTTGCGGTGAGCAA  
 AACAAAACCTGCAGACATGGTGATCGAGGCCTATGGCCACGGCCAGCGCACTTTGGAGAGAAGTATGTT  
 CAGGAAGTACTAGAAAAAGCATCAAACCCTAAGATTCTGTCTTCCTGTCCGAGATCAAGTGGCACTTCA  
 TTGGTCATTTACAGAAACAAAACGTCAACAACTGATGGCCGTCCCAACCTCTCTATGCTGAAACCGT  
 AGACTCGGTGAAGCTGGCAGACAAGGTGAATAGCTCCTGGCAGAAGAAAGTCTACAGAACCAGTGAAG  
 GTGATGGTCCAGATTAACACCAGCGGAGAGGACAGTAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201110 representing BC061045  
 Red=Cloning site Green=Tags(s)

MLRGGSMTEALGVGFALRAVNERVQSVARRPRDLPAIQPRLVAVSKTKPADMVEAYGHGQRTFGENYV  
 QELLEKASNPKILSSCPEIKWHFIGHLQKQNVNKLMAVPNLSMLETVDSVKLADKVNSSWQKKGPTPEPLK  
 VMVQINTSGEDSK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

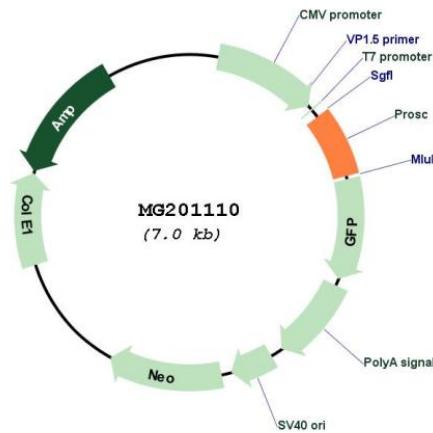


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Cloning Scheme:



Plasmid Map:



ACCN: BC061045

ORF Size: 461 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>BC061045</u> , <u>AAH61045</u>
<b>RefSeq Size:</b>	1469 bp
<b>RefSeq ORF:</b>	461 bp
<b>Locus ID:</b>	114863
<b>Cytogenetics:</b>	8 A2
<b>Gene Summary:</b>	Pyridoxal 5'-phosphate (PLP)-binding protein, which may be involved in intracellular homeostatic regulation of pyridoxal 5'-phosphate (PLP), the active form of vitamin B6. [UniProtKB/Swiss-Prot Function]