

## Product datasheet for MR201215

### Dydc1 (BC049632) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dydc1 (BC049632) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dydc1  
**Synonyms:** 1700029M23Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR201215 representing BC049632  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAATCAAGATATCTTCAAAGTGTCTGGGACATGCCTAACTCAAGGTCTCACAGAAGTTGCCAGAG  
 TTCGCCATTGGATCCAATTGAATTTAGCCTTTTGGCTTTATAAGCACAAAGAAAACATGAACATGGA  
 GCAAATGAGACAGAGAGAAATGATTACGTTGGAGCATGAGAGAGAATTAGCCATGATGGAGCAGTTGGCA  
 TTCCAGTTGGAGTTGAAATGCAACAAAAGAGAAACAGAAGTCAGAAGATTTTCGAGACAGGGCAAGAAA  
 AATCATTTAAGAGCATGATGAGCATGGAGAGCACGGCTAGGGGTGAGGAGCAGGAGCCCATGCAGGCGGA  
 GGAATTGGTGATGGACTCGGGTAAAACCCTAGCGGAGATCAGCGATCGGTACGGGGCGCCTAACTTGAGC  
 CGGGTGAAGAAGTGTGATGAGCCAATGTTATCTGATAATGGTGTCTCGGCGCCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201215 representing BC049632  
 Red=Cloning site Green=Tags(s)

MESRYLQKCLGTCLTQGLEVARVRPLDPIEYLAFLWKHKENMNMEQMRQREMITLEHERELAMMEQLA  
 FQLELEMQQKEKQKSEDFETGQEKSFKSMMSMESTARGEEQEPMQAEELVMDSGKTLAEISDRYGAPNLS  
 RVEELDEPMLSNDNGVSAPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

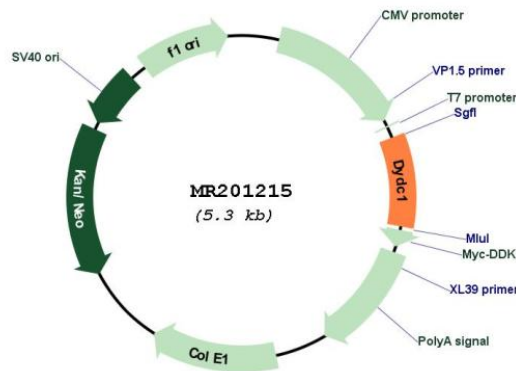
**Restriction Sites:** SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: BC049632

ORF Size: 477 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="#">BC049632.1</a></u>
<b>RefSeq Size:</b>	969 bp
<b>RefSeq ORF:</b>	479 bp
<b>Locus ID:</b>	69496
<b>Cytogenetics:</b>	14
<b>MW:</b>	35.5 kDa
<b>Gene Summary:</b>	Plays a crucial role during acrosome biogenesis.[UniProtKB/Swiss-Prot Function]