

## Product datasheet for **MG205332**

### Rom1 (NM\_009073) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rom1 (NM\_009073) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Rom1  
**Synonyms:** M101156; Rgsc1156; Rom-1; Rosp1; Tspan23  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG205332 representing NM\_009073  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCCGGTGCTGCCCGTGGTCTGCCCTCCAACCCCGTATCCGTTTGGCACAGGGCATCTGGCTCC  
TCTCCTGGCTGCTGGCATTGGTCGGTGGCTCACCTCCTTTGTAGCGGGCACCTTCTGGTACAGCTGGG  
GCACCTTGGCACCTTCTGGCACCTCTTGTTTCATTCCTGCTCTGCCCCAGACTGCCCTGGCAGCGGGA  
ACGGTGGCTCTAGGCACAGGGCTAGGAGGCGCAGGAGCCAGCCGGCAAGTCTGGATGCAGCTCAATACC  
CCCCCTGGAGAGGGGTCTTGACTCCACTGCTAGCGTTGGCACAGCTGCAGGTGGGGGGTCTGACCCCT  
TGCCCTGGGGCTAGCCCTGGCTTTGCCAGTAAGTCTCAACCAGGGACTGGAGGAGGGCTGGAGGCTGCC  
TTGGCTCACTACAAGGACACAGAGGTGCCTGGACGCTGTCAAGCCAAACGCTGTATGGATGAGTTGCAGT  
TGAGGTACCATTGCTGCGGGCGCCATGGCTACAAGGATTGGTTTGGTGTTCAGTGGGTGACGAACCGTTA  
CTTGGACCCAGTGACCAAGATGTAGTTGACCGGATCCAGAGCAATGTGGAAGGCTTATATCTGATTGAT  
GGCGTCCCCTTCTCCTGTTGTAATCCCCACTCACCCGGCCTTGCTGCAAAGCCAACCTCTCGGACCCCT  
ATGCCATCCACTTTCGATCCTCGGCAGCCAACTAAACCTCTGGGCCAAGGGTCCATGAAGTGTCT  
GCTGGAACACCTGCAGGGTTTATCAGGCACACTGGGAAGTATTCTGGCTGTCACCTATTGCTGCAGATT  
CTAGTCTCCTTGGTTTGGGTATTTGCAGACAGCGCTGGAGGGCCTTGGAGGATCATTGATGGGGAAG  
GAGAGGCCAGGGCTATCTTTTCTGGTGGGCTGAAAGACATACTGAAAACCTGCATGGCTACAGGGAGG  
GCTTGCCACAAGCCAGCACCTGAGGAGGCCCCACCAGATGAAGAACCTCCAAGGAAGTTCTAGCTGAG  
GCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205332 representing NM\_009073  
 Red=Cloning site Green=Tags(s)

MAPVLPVVLPLQPRIRLAQGIWLLSWLLALVGGLTLLCSGHLLVQLGHLGTFAPSCSFPALPQTALAAG  
 TVALGTGLGGAGASRASLDAAQYPPWRGVLTPLLAVGTAAGGGLLTLALGLALALPVSLNQGLEEGLEAA  
 LAHYKDETEVPGRCQAKRLMDELQLRYHCCGRHGKDFWGVQWVSNRYLDPDQDQVVDRIQSNVEGLYLID  
 GVPFSCCNPHSPRPCLQSQLSDPYAHLPLFDRQPNLNLWAQGCHEVLLLEHLQGLSGTLGSILAVTLLLQI  
 LVLLGLRYLQTALEGLGGVIDGEGEAQGYLFPGLKDKILTAWLQGLAHPAPEEAPPDEEPPKEVLAE  
 A

TRTRPLE - GFP Tag - V

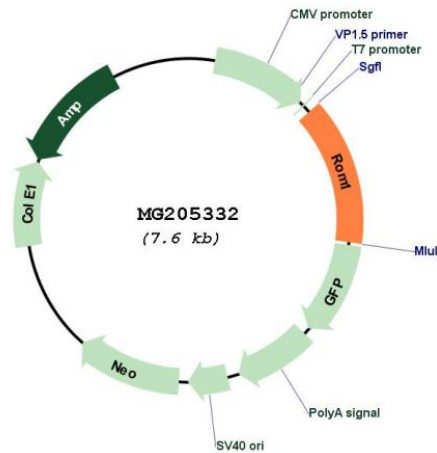
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_009073

<b>ORF Size:</b>	1053 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_009073.4</a>
<b>RefSeq Size:</b>	1511 bp
<b>RefSeq ORF:</b>	1056 bp
<b>Locus ID:</b>	19881
<b>UniProt ID:</b>	<a href="#">P32958</a>
<b>Cytogenetics:</b>	19 6.03 cM
<b>Gene Summary:</b>	May function as an adhesion molecule involved in stabilization and compaction of outer segment disks or in the maintenance of the curvature of the rim. It is essential for disk morphogenesis.[UniProtKB/Swiss-Prot Function]