

## Product datasheet for **MG200936**

### Lalba (NM\_010679) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lalba (NM\_010679) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Lalba  
**Synonyms:** AW208827; Lyzg  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG200936 representing NM\_010679  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCATTTTCGTTCTTTGTTCTGGTGTGATTTTGTGCTTGCCTTTCAAGCCACAGAGCTTA  
CAAATGCAAGGTGTCCCATGCCATTAAGACATAGATGGCTATCAAGGCATCTCTTTGCTTGAATGGG  
CTGTGTTTTATTCATACCAAGTGGCTACGACACACAAGCTGTTGTCAACGACAACGGCAGCACAGAGTAC  
GGACTCTCCAGATCAGTGACAGATTTTGGTGTAAAAGTAGTGAGTTCCCGAGTCGGAGAACATCTGTG  
GCATCTCCTGTGACAAGTTATTGGATGACGAGTTGGATGATGACATAGCGTGTGCCAAGAAGATCCTGGC  
TATCAAAGGAATCGACTACTGAAAGCCTACAAGCCCATGTGCTCTGAGAAGCTTGAACAGTGCCGTTGT  
GAGAAGCCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200936 representing NM\_010679  
Red=Cloning site Green=Tags(s)

MMHFVPLFLVCILSLPAFQATELTKCKVSHAIKDIDGYQGISLLEWACVLFHTSGYDTQAVVNDNGSTEY  
GLFQISDRFWCKSSEFPESENICGISCDKLLDDELDDDIACAKKILA IKGIDYWKAYKPMCKSEKLEQWRC  
EKP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

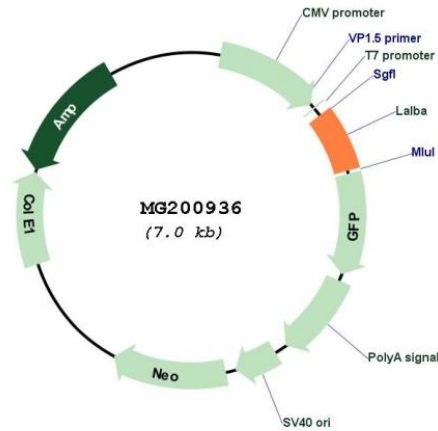


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM\_010679

ORF Size: 429 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="#">NM_010679.1</a></u> , <u><a href="#">NP_034809.1</a></u>
<b>RefSeq Size:</b>	733 bp
<b>RefSeq ORF:</b>	432 bp
<b>Locus ID:</b>	16770
<b>UniProt ID:</b>	<u><a href="#">P29752</a></u>
<b>Cytogenetics:</b>	15 F1
<b>Gene Summary:</b>	Regulatory subunit of lactose synthase, changes the substrate specificity of galactosyltransferase in the mammary gland making glucose a good acceptor substrate for this enzyme. This enables LS to synthesize lactose, the major carbohydrate component of milk. In other tissues, galactosyltransferase transfers galactose onto the N-acetylglucosamine of the oligosaccharide chains in glycoproteins.[UniProtKB/Swiss-Prot Function]