

Product datasheet for MR200936

Lalba (NM_010679) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Lalba (NM_010679) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Lalba
 Synonyms: AW208827; Lyzg
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR200936 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGCATTTTCGTTCTTTGTTCTGGTGTGATTTTGTGCTTGCCTTTCAAGCCACAGAGCTTA
 CAAATGCAAGGTGTCCCATGCCATTAAGACATAGATGGCTATCAAGGCATCTCTTTGCTTGAATGGC
 CTGTGTTTTATTCATACCAGTGGCTACGACACACAAGCTGTTGTCAACGACAACGGCAGCACAGAGTAC
 GGACTCTCCAGATCAGTGACAGATTTTGGTGTAAAAGTAGTGAGTTCCCGAGTCGGAGAACATCTGTG
 GCATCTCCTGTGACAAGTTATTGGATGACGAGTTGGATGATGACATAGCGTGTGCCAAGAAGATCCTGGC
 TATCAAAGGAATCGACTACTGGAAAGCCTACAAGCCCATGTGCTCTGAGAAGCTTGAACAGTGCCGTTGT
 GAGAAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200936 protein sequence
 Red=Cloning site Green=Tags(s)

MMHFVPLFLVCILSLPAFQATELTKCKVSHAIKDIDGYQGISLLEWACVLFHTSGYDTQAVVNDNGSTEY
 GLFQISDRFWCKSSSEFPESENICGISCDKLLDDELDDDIACAKKILA IKIDYWKAYKPMCSEKLEQWRC
 EKP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_010679

ORF Size: 432 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: [NM_010679.1](#), [NP_034809.1](#)

RefSeq Size: 733 bp

RefSeq ORF: 432 bp

Locus ID: 16770

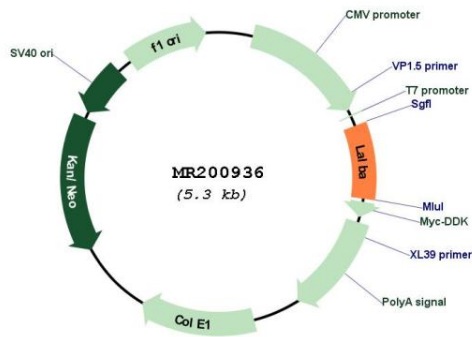
UniProt ID: [P29752](#)

Cytogenetics: 15 F1

MW: 16.3 kDa

Gene Summary: 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]

Product images:



Circular map for MR200936