

## Product datasheet for MC207865

### Lactb2 (NM\_145381) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Lactb2 (NM\_145381) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Lactb2  
 Synonyms: Cgi-83; E430032H21Rik  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC207865 representing NM\_145381  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTGCCGCTCTGCAGCGCATCGAGCAGCTGTCCAGTCGGGTGGTGCGCGTGTGGGCTGCAACCCGG  
 GTCCCATGACCCTGCAAGGCACCAACACGTACCTGGTGGGACCGGCAGCAGGAGAATCCTCATTGACAC  
 TGGTGAGCCATCAGTTCAGAATATATCAGCTGTTAAAGCAAGCCTTGTTGAGTTTGACACAGCAATC  
 CAGGAAATCCTGGTGACACACTGGCATTCTGATCATTCTGGAGGCATTGTAGACATTTGAAAAACATCA  
 ATAATGACACCACCTACTGCATTAATAAATTCGACGGAATCCCCAGAGAGAAGAAATTATAGGAAATGG  
 AGAACAGCAATTTATTTATAGAAAACGGAGACGTGGTTAAGACCGAGGGAGCCACTCTCAGAGTTTTG  
 TACTCTGGCCACTGATGATCACATGGCTTTACTCCTGGAGGAGGAGAATGCCATCTTTCTGGGG  
 ACTGCATCCTAGGAGAAGGGACGACAATTTGAAGACCTCTATGATTATATGAATCCCTAAACAATCT  
 ACTAAAAATCAAAGCTAACATTATATCCAGGACATGGCCAGTCATCCATAATGCTGAAGCTAAAATT  
 CTGGAATATATTTCTCATAGAAAATAACCGAGAAGAAGCAGATTATTTCAATTTCCGTGATAACTTTGAGA  
 AATCATTTACCGTAACGGAACCTAGGACAATGATTTACAAGGATGTTCCAGAGAATTTACATAAGATGCC  
 AGAGCATAATCTTTGCTTCATTTGAGAAAACCTAGAGAAAAGATGGGAAGATATTCTACACAACAACCTCT  
 GTCAAGAAATGGAAAGCCGTCCTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_145381  
 Insert Size: 867 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_145381.2</a></u> , <u><a href="#">NP_663356.1</a></u>
<b>RefSeq Size:</b>	1889 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	212442
<b>UniProt ID:</b>	<u><a href="#">Q99KR3</a></u>
<b>Cytogenetics:</b>	1 A3
<b>Gene Summary:</b>	Endoribonuclease; cleaves preferentially 3' to purine-pyrimidine dinucleotide motifs in single-stranded RNA. The cleavage product contains a free 3' -OH group. Has no activity with double-stranded RNA or DNA. Required for normal mitochondrial function and cell viability. [UniProtKB/Swiss-Prot Function]