

## Product datasheet for MC212546

### Lacc1 (NM\_172488) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Lacc1 (NM\_172488) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Lacc1  
 Synonyms: 9030625A04Rik  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC212546 representing NM\_172488  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAGAAGCAGTCTTGATTGATCTCTCTGGTTACAATTGAATGCACAGAAAACTGCCATGAGACCT  
 TACTGGAGACACTGGATGGTATTCACTACCACCACGCTCCAAGGCCAAGTTCCTTGCATAATATGTTG  
 CAGAAATGCCAGCAAGGAAAAGGATGGGGAGTATGGCCTCTGTGAATTGGAAGCAGGAAATGGCTTTTCA  
 CGTCTCGCGGGAAAATTCGAGACTGTTAGCCATCCCTGCCTGGCTGCCTCTTTGTATACAATTAACAAA  
 AAATTGATGAAGAAAATCTGAGCTGCATTAAGGTGATTGTCCCCGAGCACAGGAACTGTTAATGAAGGC  
 TTACGTTGGTCAACTCTTCACCGAGGTGTATGAGTTTGAAGATCTACAGGGAGCTTGGAGGGAT  
 AGCCTTTTGAAACCATCCACTGGAATAAACGTGACCACAACCTCAAGAAGTACAAGACATCCAGCATGAAA  
 TAGAAACATACTTGAGAAGCCTGCCAGCGCTGAAAGGGGACCTAACTATTGTCACATCTCCTCTGATCCC  
 AGACAACCTCCTGCATGGATTTACCACACGGACAGGGGGCATATCTTCCGTACCCACTCTCAGCTCCCTC  
 AATCTTTTCAGTAGTTCCAAAAGGAGAGATCCCAAAGTGGTTGTTCAAGAAAATGTTCCGAGGTTGGCAA  
 ATGCTGCCGATTTAACGCAGAGAAATTTTACCGAATAAAGACTGATCACGCCAGTGAAGTGTGGGTTAT  
 GGGGAAGAAGGAGCCTGAATCTTACGATGGATCGTCACAAATCAGAGAGGAGTCACAATCACTGCTCTT  
 GGCGCCGACTGTATACCCATCGTCTTCGAGATCCTGTGAAAAAGGCATGTGGGTTGCTCACTCCGGCT  
 GGAAAGGTACATTGTTGGGTGTGGCTATGGCTACTGTGAATGCTATGATAGCAGAATATGGCTGTGATGT  
 GGAAGACATTATTGTTGTTCTGGGACCGTCAGTGGGTTCTTGCTGCTTCACTCTTCCAAAGAATCAGCA  
 GTCTCCTTTACAGTCTTCATCCTTCATGTGTGAGACACTTTGACTCACCGAGACCCTACGTTGACATCC  
 GAAAAGCCACCAGGATCTTCTAGAAAGAGGAGGAATTTCCACAGAACATTCAAGACCAGAAGGAAGA  
 TCTTGACCTCTGCAGTCTGCCATCCTGAGAAGTTTTCTCCCATGTCCGCGATGGCCTTAACCTCGGT  
 ACACAGATTGGCTTCATATCCCTTAGAGAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_172488
<b>Insert Size:</b>	1293 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_172488.2</a> , <a href="#">NP_766076.1</a>
<b>RefSeq Size:</b>	2419 bp
<b>RefSeq ORF:</b>	1293 bp
<b>Locus ID:</b>	210808
<b>UniProt ID:</b>	<a href="#">Q8BZT9</a>
<b>Cytogenetics:</b>	14 D3
<b>Gene Summary:</b>	Central regulator of the metabolic function and bioenergetic state of macrophages. In macrophages, promotes flux through de novo lipogenesis to concomitantly drive high levels of both fatty-acid oxidation and glycolysis.[UniProtKB/Swiss-Prot Function]