

## Product datasheet for **RN210163**

### Lpar1 (NM\_053936) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lpar1 (NM\_053936) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lpar1  
**Synonyms:** Edg2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN210163 representing NM\_053936  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCAGCTGCCTCTACTTCCAGCCCTGTGATTTACAGCCCCAGTTCACAGCCATGAACGAACAACAGT  
GCTTCTACAACGAGTCTATCGCCTTCTTCTATAACCGGAGTGGAAAGTATCTAGCCACAGAATGGAACAC  
TGTGAGCAAGCTGGTATGGGACTGGGCATCACTGTCTGCGTGTTCATCATGCTGGCCAATCTACTGGTC  
ATGGTGGCAATTTACGTCAACCGCGCTTCCATTTCCCTATTTACTTATGATGGCAACCTGGCTGCTG  
CAGACTTCTTCGCTGGACTGGCCTACTTCTACCTGATGTTCAACACGGGACCTAATACCCGGAGACTGAC  
CGTGAGCACATGGCTTCTCCGGCAGGGCCTCATCGACACCAGCCTGACGGCTTCTGTGGCCAACCTGCTG  
GCCATTGCCATCGAGAGGCACATCACAGTTTTCCGAATGCAGCTCCATACACGAATGAGCAACCGACGTG  
TGGTGGTGGTATTGTAGTCATCTGGACTATGGCATTGTGATGGGTGCCATACCCAGTGTGGGCTGGAA  
CTGCATCTGTGATATCGATCATTGTTCCAACATGGCGCCCTCTACAGTGACTCCTACTTAGTCTTCTGG  
GCCATTTCAACCTGGTACCTTTGTGGTCATGGTGGTCTCTACGCTCACATCTTTGGCTATGTTCCG  
AGAGACTATGAGAATGTCCCAGCATAGTCTGGACCCAGGAGGAATCGGGACACCATGATGAGCCTTCT  
GAAGACTGTGGTATTGTGCTGGTGCCTTTATTGTCTGCTGGACTCCGGGATTGGTCTTGTACTGCTC  
GATGTGTGTTGCCCGCAGTGCGATGTCCTGGCCTATGAGAAGTTCTTCTCCTCCTGGCCGAGTTCAACT  
CGGCTATGAACCCATCATCTACTCCTACCGCGACAAAGAGATGAGCGCCACCTTCAGGCAGATCCTGTG  
TTGCCAGCGAACGAGAACCCCAACGGCCACGGAAGGCTCTGACCGCTCGGCCCTCCTCCTCAACAC  
ACTATTCTGGCTGGAGTTCACAGCAATGACCACTCTGTGGTT**AG**

**ACGGCT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_053936



<b>Insert Size:</b>	1095 bp
<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>NM_053936.3, NP_446388.1</u>
<b>RefSeq Size:</b>	3320 bp
<b>RefSeq ORF:</b>	1095 bp
<b>Locus ID:</b>	116744
<b>UniProt ID:</b>	<u>P61794</u>
<b>Cytogenetics:</b>	5q24
<b>Gene Summary:</b>	G-protein coupled receptor for lysophosphatidic acid (LPA); may mediate LPA induced increase in intracellular calcium ion concentration [RGD, Feb 2006]