

## Product datasheet for MC207967

### Parl (NM\_001005767) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Parl (NM\_001005767) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Parl  
**Synonyms:** D16Ertd607e; PRO2207; Psarl; PSARL1; PSENIP2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207967 representing NM\_001005767  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTTGCAAGGTTGGGTACAGCGAGGCTGGCGCTGCGGTCCGGCGTGGGCGCCTCCCTTGGGTGGCG  
 GCTACCGGGAGCTCTCTGCGACCCAGGCCCGCGCTGCTTGACGCAGGTTAACTTGTGGTTCAGCA  
 AAAATGTGGATTTAGAAAAGCACCCAGGAAGGTTGAACCTCGAAGATCAGACACAGGTCGAGTGGAGAA  
 GCATATAAGAGAAGTGCCTTGATCCCGCCTCTGGAAGAAACAGTCTTTTACCCTTCCCCCTATCCTATAA  
 GAACACTCGTGAAGCCCTTTTCTTCCACATTGGGTTACAGGCTGTGCATTTGGGTGAGCTGCTATTTG  
 GCAGTATGAGTCACTGAAATCCAGGGTTCAGAGTTATTTTGTGATGGCATAAAAAGCTGACTGGTGGACAGC  
 ATACGGCCACAAAAGGAAGGAAACCTCAGAAAAGGAGATTAACAAGTGGTGAATAGCCTAAGTATGGCC  
 AGCGGACTGTGACAGGCATCATAGCTGCGAATGCCCTCGTCTTCTGCTTGTGGAGAGTGCCGTCCCTGCA  
 GCGAACCATGATCAGATACTTTACATCCAACCCAGCATCCAAGTTCTTTGTTCTCCAATGTTGCTGTCA  
 ACGTTCAGTCATTTCTCCTTATCCACATGGCAGCAAATATGTATGTTTTGTGGAGCTTCTCATCTAGCA  
 TCGTGAACATCCTGGGTCAGGAGCAGTTTGTGGCAGTGTATCTGTCTGCAGGTGTTATTTCCAATTTTGT  
 CAGCTATGTGTAAAGTTGCCACAGGAAGATATGGACCTTCACTTGGTGCATCGGGAGCAATCATGACT  
 GTGCTTGACGCTGTCTGCACCAAGATCCAGAGGGGAGGCTCGCTATCATCTTCCCTGTCTTACCT  
 TCACAGCGGGCAATGCCTTAAAAGCCATCATTGCCATGGATACAGCTGGGATGATCCTGGGATGGAATT  
 TTTTGATCATGCAGCCCATCTTGGGGGAGCTCTTTGGAATATGGTATATCACGTATGGACATGAACCT  
 ATTTGGAAGAACAGGGAGCCTCTAGTAAAATCTGGCAGCAAATAAGGACTAATGGCCCCAAGAAAGGAG  
 GTGGCTCTAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul



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<b>ACCN:</b>	NM_001005767
<b>Insert Size:</b>	1134 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_001005767.4, NP_001005767.1</u>
<b>RefSeq Size:</b>	1323 bp
<b>RefSeq ORF:</b>	1134 bp
<b>Locus ID:</b>	381038
<b>UniProt ID:</b>	<u>Q5XJY4</u>
<b>Cytogenetics:</b>	16 12.4 cM
<b>Gene Summary:</b>	Required for the control of apoptosis during postnatal growth. Essential for proteolytic processing of an antiapoptotic form of OPA1 which prevents the release of mitochondrial cytochrome c in response to intrinsic apoptotic signals (By similarity).[UniProtKB/Swiss-Prot Function]