

Product datasheet for **RR204061**

Parl (NM_001035249) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Parl (NM_001035249) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Parl
Synonyms: Psarl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204061 representing NM_001035249
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGTTGTATAGTTGGGTACAGCGAGGCTGGCGCTGCGGTGACACGTGGGCGCCTCTCTTGGGTGGCG
GCTACCGGGAGCTCTCTGCGACCCAGGCCCGGCAGCTGCTTGACGCAGGTTAACCTACTTCTTCAGCA
AAAATGTGGATTTAGAAAAGCACCGAGGAAGGTGGAGCCTCGAAGGTGACACACAGGGTCAAGTGGAGAA
GCATACAAGAGAAGTGCCTTGATCCCACCCTGGAGGAAACAGTCTTTTACCCTTCCCCCTACCCTGTAA
GAACACTCCTGAAGCCCTTTTTCTTACCCTGGGTTACAGGCTGTGCATTTGGTTGAGCTGCTATTTG
GCAGTATGAATCACTCAAGTCCAGGGTTCAGAGTTATTTTATGGCATAAAAAGCTGACTGGTTGGATAGC
ATACGGCCACAAAAGGAAGGAAACCTCAGAAAGGAGATTAACAAGTGGTGAATAGCCTAAGTATGGCC
AGCGGACTGTGACAGGTATCATAGCTGCGAATGCCCTCGTATTCTGCTTATGGAGAGTGCCGTCCCTGCA
TCGAACCATGATCAGATACTTTACATCCAACCCAGCATCAAAGGTTCTTTGTTCCCAATGCTGCTTTCC
ACGTTCAAGTCAATTTCTCCTTATCCACATGGCAGCTAACATGTATGTTTTGTGGAGCTTCTCAACTAGCA
TCGTGAACATTTGGGTCAGGAGCAGTTTGTGGCAGTGTACCTGTCTGAGGTGTTATTTTGAATTTTGT
CAGTTATGTGTGCAAAGTTGCCACAGGAAGATACGGACCTTCACTTGGTGCCTGAGCGCAATCATGACT
GTGCTTGACAGCTGTGACCAAGATCCCGAGGGGAGACTCGCCATCATCTTCTCCCTGTTTTACCT
TCACTGCAGGCAATGCCTTAAAAGCCATCATTGCCATGGATACAGCTGGGATGATCCTGGGATGGAAGTT
TTTTGATCATGCAGCACATCTTGGGGGAGCCCTTTTGAATAATGGTATATCACGTATGGACATGAACCT
ATTTGGAAGAACAGGGAGCCTCTAGTAAAATCTGGCAGCAAATAAGGACTAATGGCCCCAAGAAAGGAG
GTGGCTCTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204061 representing NM_001035249
 Red=Cloning site Green=Tags(s)

MALYSWVQRGWRCGQTWAPLLGGGYRELSATQARQLLGRRFNLLLQQKCGFRKAPRKVEPRRSDTGSSGE
 AYKRSALIPPLEETVFYPSYPVRTLLKPFFFTGVFTGCAFGSAAIWQYESLKSrvQSYFDGIKADWLDS
 IRPQKEGNLRKEINKWVNSLSDGQRTVTGIIAANALVFCLWRVPSLHRTMIRYFTSNPASKVLCSPMLLS
 TFSHFSLFHMAANMYVLWSFSTSIWNILGQEQFVAVYLSAGVISNFSYVCKVATGRYGPSL GASGAIMT
 VLAAVCTKIPEGRLAIIIFLPVFTFTAGNALKAIAMDTAGMILGWKFDHAAHLGGALFGIWIYITYGHEL
 IWKNREPLVKIWEIRTNGPKKGGGSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

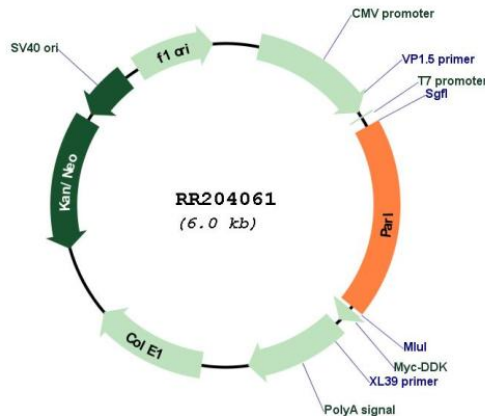
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001035249

| | |
|-------------------------------|---|
| ORF Size: | 1131 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: | <ol style="list-style-type: none">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_001035249.1 , NP_001030326.1 |
| RefSeq Size: | 1343 bp |
| RefSeq ORF: | 1134 bp |
| Locus ID: | 287979 |
| UniProt ID: | Q3B8P0 |
| Cytogenetics: | 11q23 |
| MW: | 42.1 kDa |
| Gene Summary: | 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] |