

Product datasheet for **RR205456**

Parp1 (NM_013063) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Parp1 (NM_013063) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Parp1
Synonyms: Adprt; ARTD1; Parp-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205456 representing NM_013063
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGGCGGAGGCCACGGAGAGGCTTTACCGAGTGGAGTACGCTAAGAGCGGGCGGCCTCTTGCAAGAAAT
GCAGCGAGAGTATCCCCAAGGACTCGCTCCGCATGGCCATCATGGTGCAGTCACCCATGTTTCGATGGAAA
AGTCCCACACTGGTATCACTTCTCTGCTTCTGGAAGGTGGGCCACTCCATCCGGCAGCCTGACACAGAG
GTGGACGGGTTCTCTGAGCTGCGGTGGGATGACCAGCAGAAGGTCAAGAAGACCCGAGAGGCTGGAGGCG
TGGCAGGCAAAGGCCAGCATGGAGGTGGCGCAAGGCCGGAAGAAGACGCTGGGCGACTTTGCGGCAGAGTA
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AAGAAGATGCTGGATCCAGAGAAGCCGCAACTGGGTATGATTGACCGCTGGTACCATCCAACCTGCTTTG
TCAAGAACCGGGACGAGCTGGGCTTCCGGCCTGAGTACAGTGCCAGCCAGCTCAAGGGCTTTAGCCTCCT
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AAGGTGTCAACAAGTCTGAAAAGAGGATGAAACTAACTCTGAAGGGAGGAGCAGCCGTTGATCCTGACTC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATTAAGTTTAA

Protein Sequence:

>RR205456 representing NM_013063
 Red=Cloning site Green=Tags(s)

MAEATERLYRVEYAKSGRASCKKCESEIPKDSLRAIMVQSPMFDGKVPWHYHFSFVWVGHHSIRQPDTE
 VDGFSSELRWDDQKVKKTAEAGGVAGKQHGSGGKAETLGDFAAEYAKSNRSTCKGMEKIEKGQMRSL
 KKMLDPEKPQLGMIDRWYHPTCFVKNRDELGFRPEYSASQLKGFSLLSAEDKEALKKQLPAVKSEGKRC
 DEVVDGIDEVAKKSKKGGKDESSKLEKALKAQNELVWNIKDELKACSTNDLKELLIFNQVQVPSGESAI
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 LSRRQIQAAYSILSEVQQAVSQGSSESQILDLSNRFYTLIPHDFGMKKPPLLNNNTDSVQAKVEMLDNLLD
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 REGESQRYKPFRLHNRLLWHGSRTTNFAGILSQGLRIAPPEAPVTGYMFGKGIYFADMVSKSANYCHT
 SQGDP IGLILLGEVALGNMYELKHASHISKLPKGKHSVKGLGKTAPDPSASITLDGVEVPLGTGIPSGVN
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

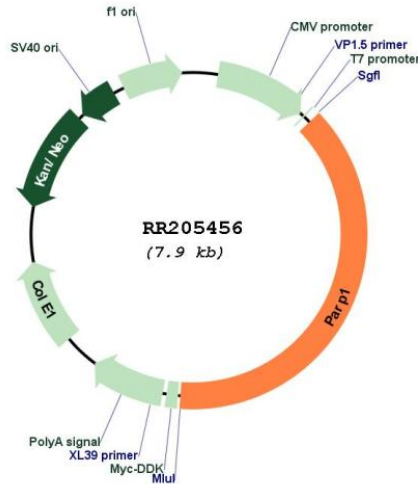
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_013063

ORF Size:

3042 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_013063.2 , NP_037195.1
RefSeq Size:	3571 bp
RefSeq ORF:	3045 bp
Locus ID:	25591
UniProt ID:	P27008
Cytogenetics:	13q26
MW:	112.7 kDa
Gene Summary:	catalyzes poly (ADP-ribose) protein modification; plays a role in DNA repair and genome stability [RGD, Feb 2006]