

Product datasheet for RN205456

Parp1 (NM_013063) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parp1 (NM_013063) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Parp1
Synonyms:	Adprt; ARTD1; Parp-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205456 representing NM_013063 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGGCCACGGAGAGGCTTTACCGAGTGGAGTACGCTAAGAGCGGGCGGCCTCTTGCAAGAAAT
GCAGCGAGAGTATCCCCAAGGACTCGCTCCGCATGGCCATCATGGTGCAGTACCCATGTTTCGATGGAAA
AGTCCCACACTGGTATCACTTCTCTGCTTCTGGAAGGTGGCCACTCCATCCGGCAGCCTGACACAGAG
GTGGACGGGTTCTCTGAGCTGCGGTGGGATGACCAGCAGAAGGTCAAGAAGACCCGAGAGGCTGGAGGCG
TGGCAGGCAAAGGCCAGCATGGAGGTGGCGCAAGGCCGGAAGAAGACGCTGGGCGACTTTGCGGCAGAGTA
TGCCAAGTCCAACAGGAGCACATGCAAGGGCTGCATGGAGAAGATAGAGAAGGGTCAGATGCGCCTGTCC
AAGAAGATGCTGGATCCAGAGAAGCCGCAACTGGGTATGATTGACCGCTGGTACCATCCAACCTGCTTTG
TCAAGAACCGGGACGAGCTGGGCTTCCGGCCTGAGTACAGTGCCAGCCAGCTCAAGGGCTTTAGCCTCCT
CTCTGCAGAAGACAAAGAAGCTCTGAAGAAGCAGCTCCCGCAGTCAAGAGTGAAGGAAAGAGAAAATGT
GACGAGGTGGATGGAATAGATGAAGTAGCCAAAAAGAAATCTAAAAAGGAAAGGACAAGGAGAGTAGTA
AACTGGAAAAGGCGCTCAAGGCTCAGAACGAGCTGGTCTGGAATATCAAAGATGAGCTGAAGAAAGCCTG
CTCCACCAACGACCTGAAGGAGTTGCTCATCTTCAACCAGCAGCAAGTACCATCTGGAGAGTCCGCAATC
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TTTTTAAGAGCGACGCTTATTACTGTACTGGGGATGCTACTGCCTGGACCAAGTGCATGGTCAAGACACA
GAATCCCAGCCGAAAGGAATGGGTAACCTCAAAGGAATCCGAGAAAATATCCTACCTCAAGAAAATTAAG
ATCAAAAAGCAGGACCGGCTGTTCCCTCCAGAGAGCAGCGCCCCAGCACCACCAGCACCTCCCGTCTCGA
TCACCTCCGACCCACAGCTGTGAACCTCTGCACCAGCAGACAAAACCCTGTCTAACATGAAGATCCT
GACTCTTGTAAGCTCTCCAGAACAAAGGACGAAGCAAAGCCATGATTGAGAACTCGGAGGCAAGCTG
ACAGGATCTGCCAACAAAGCCTCCTTGTGTATCAGCACTAAGAAGGAGGTGGAGAAGATGAGTAAGAAGA
TGGAGGAAGTGAAGCAGCCAATGTTTCGAGTCGTGTGAGGACTTCTCCAGGATGTGTCTGCCTCAGC
TAAGAGCCTCAAAGAGCTGCTCTCAGCCATAGCTTGTCTCGTGGGGGCTGAGGTGAAGGTAGAGCCT
GGTGAAGTGGTGGTCCCCAAGGGGAAGTCAAGTGCACCCTCCAAGAAGAGCAAGGGTGTGTCAAGGAGG



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AAGGTGTCAACAAGTCTGAAAAGAGGATGAACTAACTCTGAAGGGAGGAGCAGCCGTTGATCCTGACTC
TGGTCTGGAACACTCTGCACATGTCTGGAGAAAGGCGGGAAGGTGTTTCAGTGCCACGCTTGGCCTGGTG
GACATTGTGAAAGGGACTAACTCCTATTACAACTGCACTTCTGGAGTCCGACAAGGAGAGCAGGTATT
GGATCTTCCGGTCTGGGGCCGAGTGGGCACAGTTATCGGCAGTAAACAAGCTTGAGCAGATGCCGTCCAA
AGAGGATGCTGTTGAACACTTATGAAGTTATACGAAGAGAAGACTGGAAATGCCTGGCACTCGAAAAAC
TTCACAAAGTATCCCAAGAAGTTCTACCCTCTGGAGATTGACTATGGCCAGGACGAAGAGCAGTAAAGA
AGCTGGCGGTGAAGCCTGGCACTAAGTCGAAGCTGCCGAAGCCGGTGCAGGAGCTCGTCGGGATGATCTT
CGACGTGGAGAGCATGAAGAAGGCCTTGGTGGAGTACGAGATTGACCTTCAGAAGATGCCCTTGGGGAAA
CTGAGCAGAAGGCAGATCCAGGCCGCTACTCTATCCTCAGTGAGGTCCAGCAGGCAAGTGTCCCAAGGCA
GCAGTGAATCTCAGATCCTGGATCTCTCCAATCGCTTCTACACCCTCATCCCCATGACTTTGGAATGAA
GAAGCCCCACTTCTGAACAACACAGACAGTGTGCAGGCCAAGGTGGAGATGCTGGACAACCTCCTGGAC
ATCGAGGTTGCCTATAGTCTTCTCAGGGGTGGTCTGATGACAGCAGTAAGGACCCCATCGATGTCAACT
ATGAGAAGCTCAAACTGACATTAAGGTGGTTGACAGAGATTCTGAAGAGGCTGAGGTATCAGGAAGTA
TGTGAAGAACTCACGCGACCACGCACAATGCCTATGACCTGGAAGTGATAGACATCTTAAGATAGAG
CGAGAGGGAGAGGCCAACGCTACAAGCCCTTCAGGCAGCTTACAACCCGAGACTGCTGTGGCAGGGT
CCAGGACCACCAACTTCGCAGGCATCCTGTACAGGGTCTGCGGATAGCCCCACCTGAAGCACCTGTGAC
AGGCTACATGTTTGGAAAGGAATCTACTTTGCTGATATGGTGTCCAAAAGTGCGAACTACTGCCACAGC
TCTCAGGGAGACCCGATTGGCTTAATACTGTTGGGAGAAGTTGCCCTTGGAAACATGTACGAACTCAAGC
ATGCTTCTCACATCAGCAAGTTACCCAAGGGCAAGCACAGTGTCAAAGGTTTGGGCAAAACCGCCCTGA
CCCTTCGGCCAGCATCACCCTGGATGGTGTAGAGGTTCCGCTGGGAACAGGGATTCCGTCTGGTGTAAAT
GACACCTGCCTGCTGTATAACGAGTACATTGTCTACGACATTGCTCAGGTGAATCTGAAGTACCTACTGA
AACTGAAGTTCAATTTCAAGACCTCCTTGTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013063

Insert Size: 3045 bp

OTI Disclaimer: 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).

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:

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
Gene Summary: catalyzes poly (ADP-ribose) protein modification; plays a role in DNA repair and genome stability [RGD, Feb 2006]