

Product datasheet for **RR206040**

Parp2 (NM_001106030) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parp2 (NM_001106030) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Parp2
Synonyms:	Adprt12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR206040 representing NM_001106030
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCGCGGGCGGAGATCTGGCTGTGGAAGACGAGTGCTAAATGAAGCCAAGAGAGTTGATAATG
 GCAACAGAGCAACAGATGACTCTCCTCCTGGCAAGAAAGTGCGCACGTGCCAGAAAAAGGGCCTCGCGC
 TGGAGGGGAGGACACAGACAGGACAAAAGGCAAGCAAGACTCTGTGAAGACCCTGCTCGTAAAGGGCCGA
 GCTCCTGTGGACCAGAGTGCACATCCAAGGTCGGAAAGGCTCATGTGTATTGTGAAGGAGATGATGTCT
 ATGACGTCATGTTAAATCAAACCAATCTCCAGTCAACAACAACAAGTACTACCTTATCCAGCTGTTAGA
 AGATGATGCCAGCAGAACTTCAGTGTGTGGATGAGGTGGGGCCGAGTTGGGAAAACAGGCAGCACAGC
 TTGGTGGCTTGTCTGGTACCTCAACAAAGCAAAAGAAATATTCAGAAAAATTCCTTGACAAAACATA
 AAAACAATTGGGAGGATCGTGAGAACTTTGAGAAAGTACCTGGAAAATACGACATGTTGCAGATGGACTA
 TGCTGCCAGCACTGAGGATGAAAATAAAACAAAACAAGAGGAACTTCGAAGCCAGAGTACAGCTGGAT
 CTTGAGTCCAGGAGCTGCTAAAGTTGATCTGTAACTGACAGACCATGGAAGAGATGATGATTGAGATGA
 AGTATGACACCAAGAGGGCCCCACTCGGAAAACGACAGTGGCGCAGATCAAGGCAGGCTACCAGTCTCT
 CAAGAAGATTGAGGATTGTATCCGTGCTGGCCAGCATGGGCGAGCGCTTGTGAGGCATGTAATGAATTC
 TACACCAGGATCCCTCATGACTTTGGACTCTCCATCCCTCCTGTAATCCGGACAGAGAAAGAACTGTCAG
 ACAAAGTAAAACGCTGGAGGCATTGGGAGACATTGAAATTCGCCCTTAAGCTGGTGAAGTCAAGAGCGCCA
 AGGCCTAGAACACCCACTGGACCAACACTATAGAAACCTACGTTGTGCTTTGCGTCTCTGGACCATGAA
 AGTCATGAGTTCAAAGTGATTTCCAGTACTTACAGTCTACCCATGCTCCTACACATAAGGACTATACTA
 TGACCTTGCTGGAAGTTTTCGAAGTAGAGAAGGAAGGGGAGAAAGAGGCCTTCAGAAAGACCTTCCTAA
 CAGGATGCTGCTCTGGCATGGTTCCAGGCTGAGTAACTGGGTGGGATCCTGAGCCACGGACTTAGAGTC
 GCCCACCTGAGGCTCCCATCACAGTTATATGTTTGGGAAAGGAATCTACTTTGCTGACATGTCGTCCA
 AGAGTGCCAACTACTGCTTTGCTTCTCGCCTGAAGAATACAGGATTGCTTCTTCTGTCAGAGGTAGCTCT
 GGGTCAGTGTAATGAACTGCTGGAGGCCAACCCCTAAGGCAGAAGGATTGCTTCAGGGCAAGCATAGCACC
 AAGGGGATGGGAAAGATGGCTCCAGCCCTGCCACTTCATCACCTGAATGGGAGTACAGTGCCTTAG
 GACCAGCAAGTACACAGGAATTCTCAATCCAGAGGGGTACCCCTCACTACAATGAGTTTATTGTTTA
 TAGCCCCAGCCAGGTCCATATGCGATACCTTCTAAAGATTCATTTAATTTTCTGCAGCTGTGG

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RR206040 representing NM_001106030
 Red=Cloning site Green=Tags(s)

MAPRRRRSGCRRVLEAKRVDNGNRATDDSPPGKKVRTCQKKGPAAGGEDTDRTKGKQDSVKTLQVKG
 APVDPECTSKVGAHVYCEGDDVYDVMLNQTNLQFNNNKYLIQLLEDDAQQNFVWWRWGRVKGQHS
 LVACSGDLNKAKEIFQKKFLDKTKNNWEDRENFEKVPKYDMLQMDYAATEDENKTKQEETSKPESQLD
 LRVQELLKLCNVQTMEEEMMIEMKYDTRAPLGKLTVAQIKAGYQSLKKIEDCIRAGQHGRALVEACNEF
 YTRIPHDFGLSIPPVIRTEKELSDKVKLLEALGDIEIALKLVKSERQGLEHPLDQHYNRLRCALRPLDHE
 SHEFKVISQYLQSTHAPTHKDYMTLLEVFVEVEKEGEKEAFRKDLPNRMLLWHGSRLSNWVGILSHGLRV
 APPEAPITGYMFGKGIYFADMSSKSANYCFASRLKNTGLLLLSEVALGQCNELLEANPKAEGLLQGHST
 KGMGKMAPSPAHFITLNGSTVPLGPASDTGILNPEGYTLNNEFIVYSPSQVHMRYLKIQFNFLQLW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

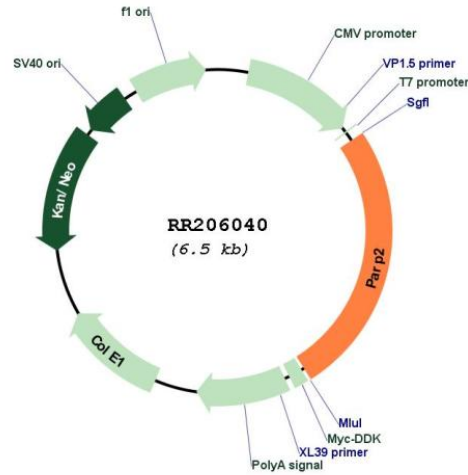
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001106030
ORF Size:	1674 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_001106030.1 , NP_001099500.1
RefSeq Size:	1817 bp
RefSeq ORF:	1677 bp
Locus ID:	290027
Cytogenetics:	15p14
MW:	63.2 kDa