

Product datasheet for **RN216782**

Parpbp (NM_001166676) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parpbp (NM_001166676) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Parpbp
Synonyms:	AROM; PARI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN216782 representing NM_001166676
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGTGGTCGACCCTATGAAGACATTAGGAAAACATACGATGATTTCTTGAAGAATAGCAATACAC
 TAGATCTGATTGATGTTTATAAAAAATGTAGCATCATGACTTCTAATTGTGAGAAAACACATGATATCCTC
 TATTCAACTACGGGACTTTCTATCTGGCACAGAGTGTGCAGTAAATGATGAAAATAATCCTCATAGCCCA
 GCGTCACCAGTAAAATGCAGCCAGAATGACAAACAGGTGCGGCTGTTGGCAAAGAAAATTTTCCTTCGT
 ATTTGAGCCTCTTAGTGAATCAAAGAATGACCTGGCTCTGGCTCAAATCTCAACACCCCTGACCGAGG
 ACTGGGAAGGGAGGCCTTACCAACTTGAAGCATGCTGCCGAGAGAAAACAGTTGTCTATGTTTCTGATG
 GCCACATCATTTATTAGGACGTTAGAGCTCGGAGGAAAGGATATGCACCCACCACATCAGATCCTCTGT
 GGGCACATGTAAGGGCTGTCTGCTTTTGTAAATTTTCATTGACAAGCTAAATGAAATCTTGGAGAGGT
 ACCAAATCCAAGCCTTGGGGCGGTCCGATATTATCGGCGATAAGGACGCAGCTGATCAAAGGCCACAGC
 AGCGGGGAGCCTTTTATAAAGCAGTAGAGGAAGTTGTTTCAGGATTTGAATTTGAGGATTAATAAATTA
 TTAATTCTCAAGAAGGTGTAAGTGTGACGCCACCAACATCAGTCTGTCCCGCCAAAATCTTTTGGCCAT
 AAACCATGATACCGCATACTGTGGAAGAGATGCTGTGAAAATTTTACTGGTTCTTTTGGATGAAGACGCA
 GCCAGTGTCTCTACCAGAAAATAAGCAGAGCTTCTGTACAATGACCAAAGTACAGCTCCTCACGGTGGAG
 CGTCTGTCTTACACTCTTATAGTCTCCACACAAGTGAAGAGTACACCAGTTAAACCTCTCAGAGAGCG
 AATCCACACGTCCTGCAAGCAGAGAAAATAAGCAGATGAGGCAGACATTAATTAGATCACAGTTTGTCT
 TGTACTTATAAAGATGACTGCATAATGAGCAAGAGTAAATGGAATGTTAATTCCTCATCAAAGCCGCTGT
 CTGCTCTTCGCTTAGAGAACGATGTCTCTGAGGGAGCACAGCCGCTGTTGGGAAAAGCCAGACTTGAAC
 GAGTTCTGAAAATGTGCATGTGGACAGAAGTAAGGATGACAAAGGACCGAGGAAGTCTACTAAACGGAAG
 CTAGCGAAGAGCAAGCAGCCGGGTGTCAGGGAGGATTTCACTGCGATCAGGGAGATGAGCTGTACCAAC
 CCAAGAATGTTAAGATCCTTAAAGTGCCAGTACTCTCACAGGAAAGCTGGTGGCAAACAGCCCCAGG
 AGCAAGGGGCAACAGGTGCACCACCAAGGACAAGCTGATCCCTGGCCAGACCAAGCTGACACGGTTTTTT
 ATGCTATAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001166676

Insert Size: 1479 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001166676.1](#), [NP_001160148.1](#)

RefSeq Size: 4427 bp

RefSeq ORF: 1479 bp

Locus ID: 100310874

UniProt ID: [Q9EQ10](#)

Cytogenetics: 7q13

Gene Summary: Required to suppress inappropriate homologous recombination, thereby playing a central role DNA repair and in the maintenance of genomic stability. Antagonizes homologous recombination by interfering with the formation of the RAD51-DNA homologous recombination structure. Positively regulate the poly(ADP-ribosyl)ation activity of PARP1; however such function may be indirect (By similarity). Binds single-strand DNA and poly(A) homopolymers.[UniProtKB/Swiss-Prot Function]