

Product datasheet for **RC230510**

PARP8 (NM_001178056) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARP8 (NM_001178056) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PARP8
Synonyms:	ARTD16; pART16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC230510 representing NM_001178056
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGATGTGTTCAAGCAAGAGCGAATTCAGAAGGATATCGACGTCGTGATCCAGAAGTCCAGAGCTG
 AGAAGGACTGCCTGTTTGACAGATTTAGATACTCTGACTCCACCTTTACTTTTACCTACGTTGGCGGCC
 CAGAAGTGTATCCTACTCAGTACATGTATCTGAAGATTACCCAGATAATACATATGTGTCAAGTTCAGAG
 AATGATGAAGATGTGCTAGTTACTACAGAGCCAATACCAGTAATTTTTCATAGAATAGCAACAGAATTAA
 GAAAAACAAATGACATTAAGTGTGCTTATCCATAAAAACCAAAATACAAAAGGAAAAATGGGAGGAATC
 AAGACAGAATAGTACAGTGGAGGAAGATTCTGAAGGTGACAATGATTCGAAGAATTTTATTACGGAGGA
 CAGGTGAAGTATGATGGGAACTGCACAAGCACCCACAAGTGAAGCTGATTTGTCAGCAGTTAGAGAGA
 TATATGGGCCACATGCAGTTTCTCTCAGGAATATGGAGCCATTGATGATGTAGATATTGATCTGCATAT
 CGATGTTAGCTTCTTGATGAGGAGATTGCTGTGGCTTGGGAAGTAATTCGAACAGAACCTATAATTGTT
 CGACTACACTGTTCACTTACACAGTATTTAAATGGCCAGTGCCCACTGTTGATGTCTTTAGATTTCCA
 CAAAAGAGCGATTTGGATTGGGACATCAGCTGAAAAAATCATGCAGACATTTGTTACACAGCAGTGGAA
 ACAGAGCAAAGAAAAATCCAATTCCTGCACAATAAAAAGTTGTGAGAGAAGAAAGTGAAGTCTCCCTG
 CATTATTTTCTACTTTGCGCAGGTCGCAAGTTATCCTCCCCCTGGTTGTGGCAAAAGCAAATCCAAAC
 TGAAATCTGAGCAGGACGGAATCTCAAACCGCATAAGCTGTGCGGAGGACTTGTCCAGCACAGTCAA
 GACTGATGATGTGTGTGTACAAAGTACACAGGACCTTTGGCCGCTCCTGTCCAGCGATCCCAGGGCG
 GAGCAGGCTATGACAGCAATTAATCGCACAACTTTGAACCGTCTTGCCTGCAGCTGTTAAGTCAG
 AGGAATGCCTAACTCAAAGTCGATAGACTATTGACTCGATCTGTTTCTGGAGATCCAGATGTGAGCA
 CAACACAACTTGAAGCCCATAAACTGTTAAGCAGGTCTTACTCTAGTAATCTCAGAATGGAAGAATTA
 TATGGACTGAAAAATCACAAATTGCTCAGCAAGTCTACTCCAGTGCCCAAGTCCATCCAAAAGTGCAGC
 TTTTCAAGGAACCTAACGCAGAGGGCAGGAGGCTCTCTTACCTCAGGGCTTATTGGTATCCTAACACC
 ATCTTCATCTTCTCAGCTTGTCTCAAATGGTGCAAAATGCATTCCAGTACGAGACCGTGGCTTC
 CTGGTGCAGACAATTGAGTTTGTGAACAGCGGATCCCTGTATTAATGAATATTGTGTGGTTTGTGATG
 AGCCACATGTGTTTCAAATGGCCCTATGCTTAGGCCTACCGTATGTGAACGGGAGCTGTGTGTGTTGC
 TTTTCAAACCCTGGGAGTAATGAATGAAGCTGCTGATGAATAGCAACTGGAGCTCAGAAAAAGAACTAT
 GATCGAGTAATGAAAGCACTGGATAGCATAACTTCTATCAGAGAAATGACACAAGCACCATATCTGGAAA
 TCAAGAAGCAAATGGATAAACAGGACCCCTTGCTCATCCCTTACTGCAATGGGTATATCAAGTAATAG
 ATCACATATTGTGAAACTGCCAGTTAACAGGCAATTGAAGTTTATGCATACTCCACATCAGTTCTTCTT
 CTCAGCAGTCCACCAGCCAAAGAATCCAATTTTAGAGCTGCTAAAAAAGTCTTTGGAAAGCACCTTTGCAT
 TTCATGGCTCACACATTGAAACTGGCACTCCATCCTGAGGAATGGTCTGGTTGTTGCTTCAATACACG
 ATTGACAGTCCATGGTGAATGTATGGAAGTGAATCTATCTTAGTCCAATGTCAAGCATATCATTGGT
 TACTCAGGGATGAACAAGAAACAGAAGGTGTGAGCAAGGACGAGCCAGCTTCAAGCAGTAAAAGCAGCA
 ATACATCACAGTACAGAAAAAGGACAGCAATCCCAATCCTGCAAAGCCGTAACCTAAAATGCATAGC
 CTTATGTGAAGTATCACCTCATCTGACCTGCACAAACATGGAGAGATATGGGTTGTCCCAATACTGAC
 CATGTCTGCACACGATTCTTTTTCGTCTATGAAGACGGCCAAGTGGGAGATGCAAAATTTAATACACAAG
 AAGGAGGCATTCAAAAGAGATCCTCCAGTAATTGGTAATCAAAGTCTACTGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230510 representing NM_001178056
 Red=Cloning site Green=Tags(s)

MGMCSRQERIQKIDVVIQKSRAEKDCLFADFRYSDSTFTFTYVGGPRSVSVHVSSEDYDNTYVSSE
 NDEDVLTTEPIPVIFHRIATELRKTNDINCLSIKSKLQKENGEESRQNSTVEEDSEGDNDEEFYYGG
 QVNYDGELHKHPQLEADLSAVREIYGPHAVSLREYGAIDDDVIDLHIDVSFLDEEIAVAWEVIRTEPIIV
 RLHCSLTQYLNGPVPTVDVFQISTKERFGLGHQLKKIMQTFVTQQWKQSKEKSNCLHNKKLSEKKVKSP
 HLFSTLRRSPSYPPPGCGKSKSKLKSEQDGI SKTHKLLRRTCSSTVKTDVVCVTKSHRTFGRSLSSDPR
 EQAMTAIKSHKLLNRPCPAAVKSEECLTLKSHRLLTRSCSGDPRCEHNTNLKPHKLLRSYSSNLRMEEL
 YGLKNHKLLSKSYSSAPKSSKTELFKEPNAEGRRLSLTSGLIGILTPSSSSSSQLAPNGAKCIPVRDRGF
 LVQTIIEFAEQRIPVLNEYCVVCEPHVFQNGPMLRPTVCERELCVFAFQTLGVMNEAADEIATGAQKKNY
 DRVMKALDSITSIREMTQAPYLEIKKQMDKQDPLAHPLLQWVISSNRSHIVKLPVNRQLKFMHTPHQFL
 LSSPPAKESNFRAAKKLFGSTFAFHGSHIENWHSILRNGLVVASNTRLQLHGAMYGSGIYLSMSSISFG
 YSGMKNKQKVSADKDEPASSKSSNTSQSQKKGQSQFLQSRNLKCIALCEVITSSDLHKHGEIWWVPNTD
 HVCTRFFVYEDGQVGDANINTQEGGIHKEILRVIGNQTATG

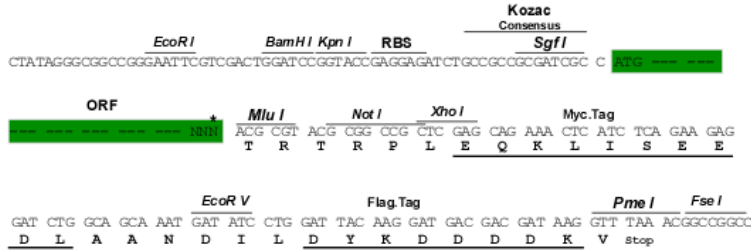
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001178056

ORF Size: 2436 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:

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_001178056.1](#), [NP_001171527.1](#)

RefSeq ORF: 2439 bp

Locus ID: 79668

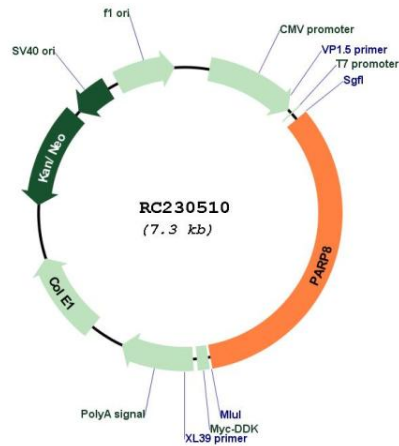
UniProt ID: [Q8N3A8](#)

Cytogenetics: 5q11.1

MW: 91.6 kDa

Gene Summary: Mono-ADP-ribosyltransferase that mediates mono-ADP-ribosylation of target proteins. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC230510