

Product datasheet for **RG230510**

PARP8 (NM_001178056) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARP8 (NM_001178056) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PARP8
Synonyms:	ARTD16; pART16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG230510 representing NM_001178056
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGATGTGTTCAAGCAAGAGCGAATTCAGAAGGATATCGACGTCGTGATCCAGAAGTCCAGAGCTG
 AGAAGGACTGCCTGTTTGACAGATTTAGATACTCTGACTCCACCTTTACTTTTACCTACGTTGGCGGCC
 CAGAAGTGTATCCTACTCAGTACATGTATCTGAAGATTACCCAGATAATACATATGTGTCAAGTTCAGAG
 AATGATGAAGATGTGCTAGTTACTACAGAGCCAATACCAGTAATTTTTCATAGAATAGCAACAGAATTAA
 GAAAAACAAATGACATTAAGTGTGCTTATCCATAAAAACCAAATACAAAAGGAAAAATGGGAGGAATC
 AAGACAGAATAGTACAGTGGAGGAAGATTCTGAAGGTGACAATGATTCGAAGAATTTTATTACGGAGGG
 CAGGTGAAGTATGATGGGAACTGCACAAGCACCCACAAGTGAAGCTGATTTGTCAGCAGTTAGAGAGA
 TATATGGGCCACATGCAGTTTCTCTCAGGAATATGGAGCCATTGATGATGTAGATATTGATCTGCATAT
 CGATGTTAGCTTTCTTGATGAGGAGATTGCTGTGGCTTGGGAAGTAATTCGAACAGAACCTATAATTGTT
 CGACTACACTGTTCACTTACACAGTATTTAAATGGCCAGTGCCCACTGTTGATGTCTTTAGATTTCCA
 CAAAAGAGCGATTTGGATTGGGACATCAGCTGAAAAAATCATGCAGACATTTGTTACACAGCAGTGGAA
 ACAGAGCAAAGAAAAATCCAATTCCTGCACAATAAAAAGTTGTGAGAGAAGAAAGTGAAGTCTCCCTG
 CATTATTTTCTACTTTGCGCAGGTCGCAAGTTATCCTCCCCCTGGTTGTGGCAAAAGCAAATCCAAAC
 TGAAATCTGAGCAGGACGGAATCTCAAACCGCATAAGCTGCTGCGGAGGACTTGTCCAGCACAGTCAA
 GACTGATGATGTGTGTGTACAAAAGTACACAGGACCTTTGGCCGCTCCTGTCCAGCGATCCCAGGGCG
 GAGCAGGCTATGACAGCAATTAATCGCACAACTTTGAACCGTCTTGCCTGCAGCTGTTAAGTCAG
 AGGAATGCCTAACTCAAAGTCGATAGACTATTGACTCGATCTTGTTCGGAGATCCAGATGTGAGCA
 CAACACAACTTGAAGCCCATAAACTGTTAAGCAGGTCTTACTCTAGTAATCTCAGAATGGAAGAATTA
 TATGGACTGAAAAATCACAAATTGCTCAGCAAGTCTTACTCCAGTGCCCAAGTCCATCCAAAAGTGAAGC
 TTTTCAAGGAACCTAACGCAGAGGGCAGGAGGCTCTCTTACCTCAGGGCTTATTGGTATCCTAACACC
 ATCTTCATCTTCTCAGCTTGTCTCAAATGGTGCAAAATGCATTCCAGTACGAGACCGTGGCTTC
 CTGGTGCAGACAATTGAGTTTGTGAACAGCGGATCCCTGTATTAATGAATATTGTGTGGTTTGTGATG
 AGCCACATGTGTTTCAAATGGCCCTATGCTTAGGCCTACCGTATGTGAACGGGAGCTGTGTGTGTTTGC
 TTTTCAAACCCTGGGAGTAATGAATGAAGCTGCTGATGAATAGCAACTGGAGCTCAGAAAAAGAACTAT
 GATCGAGTAATGAAAGCACTGGATAGCATAACTTCTATCAGAGAAATGACACAAGCACCATATCTGGAAA
 TCAAGAAGCAAATGGATAAACAGGACCCCTTGCTCATCCCTTACTGCAATGGGTATATCAAGTAATAG
 ATCACATATTGTGAAACTGCCAGTTAACAGGCAATTGAAGTTTATGCATACTCCACATCAGTTCTTCTT
 CTCAGCAGTCCACCAGCCAAAGAATCCAATTTTAGAGCTGCTAAAAAAGTCTTTGGAAAGCACCTTTGCAT
 TTCATGGCTCACACATTGAAACTGGCACTCCATCCTGAGGAATGGTCTGGTTGTTGCTTCAATACACG
 ATTGCAGTCCATGGTGAATGTATGGAAGTGAATCTATCTTAGTCCAATGTCAAGCATATCATTGGT
 TACTCAGGATGAACAAGAAACAGAAGGTGTGAGCAAGGACGAGCCAGCTTCAAGCAGTAAAAGCAGCA
 ATACATCACAGTACAGAAAAAGGACAGCAATCCCAATCCTGCAAAGCCGTAACCTAAAATGCATAGC
 CTTATGTGAAGTATCACCTCATCTGACCTGCACAAACATGGAGAGATATGGGTTGTCCCAATACTGAC
 CATGTCTGCACACGATTCTTTTTCGTCTATGAAGACGGCCAAGTGGGAGATGCAAAATTTAATACACAAG
 AAGGAGGCATTACAAAGAGATCCTCCAGTAATTGGTAACTCAAACTGCTACTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230510 representing NM_001178056
 Red=Cloning site Green=Tags(s)

```

MGMCSRQERIQKIDIDVVIQKSRAEKDCLFADFRYSDSTFTFTYVGGPRSVSVHVSSEDYDNTYVSSE
NDEDVLTTEPIPVIFHRIATELRKTNDINCLSIKSKLQKENGEESRQNSTVEEDSEGDNDEEFYYGG
QVNYDGELHKHPQLEADLSAVREIYGPHAVSLREYGAIDDVDIDLHIDVSFLDEEIAVAWEVIRTEPIIV
RLHCSLTQYLNGPVPTVDVFQISTKERFGLGHQLKKIMQTFVTQQWKQSKEKSNCLHNKKLSEKKVKSPL
HLFSTLRRSPSYPPPGCGKSKSKLSEQDGI SKTHKLLRRTCSSTVKTDVVCVTKSHRTFGRSLSSDPR
EQAMTAIKSHKLLNRPCPAAVKSEECLTLKSHRLLTRSCSGDPRCEHNTNLKPHKLLRSYSSNLRMEEL
YGLKNHKLLSKSYSSAPKSSKTELFKEPNAEGRRLSLTSGLIGILTPSSSSSSQLAPNGAKCIPVRDRGF
LVQTIEFAEQRIPVLNEYCVVCEPHVFQNGPMLRPTVCERELCVFAFQTLGVMNEAADEIATGAQKKNY
DRVMKALDSITSIREMTQAPYLEIKKQMDKQDPLAHLPLQWVSSNRSHIVKLPVNRQLKFMHTPHQFL
LSSPPAKESNFRAAKKLFGSTFAFHGSHIENWHSILRNGLVVASNTRLQLHGAMYGGIYLSMSSISFG
YSGMKNKQKVSADKDEPASSKSSNTSQSQKKGQSQFLQSRNLKCIALCEVITSSDLHKHGEIWWVPNTD
HVCTRFFVYEDGQVGDANINTQEGGIHKEILRVIGNQTATG
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



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_001178056.2](#)

RefSeq Size: 7051 bp

RefSeq ORF: 2439 bp

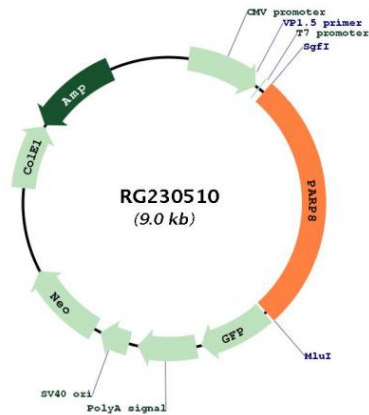
Locus ID: 79668

UniProt ID: [Q8N3A8](#)

Cytogenetics: 5q11.1

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

Product images:



Circular map for RG230510