

Product datasheet for **RG230545**

PARP8 (NM_001178055) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARP8 (NM_001178055) 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)



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ORF Nucleotide
Sequence:

>RG230545 representing NM_001178055
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGGGATGTGTTCAAGCAAGAGCGAATTCAGAAGGATATCGACGTCGTGATCCAGAAGTCCAGAGCTG
 AGAAGGACTGCCTGTTTGCAGATTTAGATACTCTGACTCCACCTTTACTTTTACCTACGTTGGCGGCC
 CAGAAGTGTATCCTACTCAGTACATGTATCTGAAGATTACCCAGATAATACATATGTGTCAAGTTCAGAG
 AATGATGAAGATGTGCTAGTTACTACAGAGCCAATACCAGTAATTTTTCATAGAATAGCAACAGAATTAA
 GAAAAACAAATGACATTAAGTGTGCTTATCCATAAAAACCAAATACAAAAGGAAAAATGGGAGGAATC
 AAGACAGAATAGTACAGTGGAGGAAGATTCTGAAGGTGACAATGATTCGAAGAATTTTATTACGGAGGG
 CAGGTGAAGTATGATGGGAACTGCACAAGCACCCACAAGTGAAGCTGATTTGTCAGCAGTTAGAGAGA
 TATATGGGCCACATGCAGTTTCTCTCAGGAATATGGAGCCATTGATGATGTAGATATTGATCTGCATAT
 CGATGTTAGCTTCTTGTGAGGAGATTGCTGTGGCTTGGGAAGTAATTCGAACAGAACCTATAATTGTT
 CGACTACACTGTTCACTTACACAGTATTTAAATGGCCAGTGCCCACTGTTGATGTCTTTAGATTTCCA
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 TGAAATCTGAGCAGGACGGAATCTCAAACCGCATAAGCTGTGCGGAGGACTTGTCCAGCACAGTCAA
 GACTGATGATGTGTGTGTACAAAGTACACAGGACCTTTGGCCGCTCCTGTCCAGCGATCCCAGGGCG
 GAGCAGGCTATGACAGCAATTAATCGCACAACTTTGAACCGTCTTGCCTGCAGCTGTTAAGTCAG
 AGGAATGCCTAACTCAAAGTCGCATAGACTATTGACTCGATCTGTTTCTGGAGATCCACAGTGTGAGCA
 CAACACAAACTTGAAGCCCATAAACTGTTAAGCAGGTCTTACTCTAGTAATCTCAGAATGGAAGAATTA
 TATGGACTGAAAAATCACAAATTGCTCAGCAAGTCTTACTCCAGTGCCCAAGTCATCCAAAAGTGAAGC
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 ATCTTCATCTTCTCAGCTTGTCTCAAATGGTGCAAAATGCATTCCAGTACGAGACCGTGGCTTC
 CTGGTGCAGACAATTGAGTTTGTGAACAGCGGATCCCTGTATTAATGAATATTGTGTGGTTTGTGATG
 AGCCACATGTGTTCAAATGGCCCTATGCTTAGGCCTACCGTATGTGAACGGGAGCTGTGTGTGTTTGC
 TTTTCAAACCCTGGGAGTAATGAATGAAGCTGCTGATGAAATAGCAACTGGAGCTCAGGTGGTAGATCTA
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 AACTGCCAGTTAACAGGCAATTGAAGTTTATGCATACTCCACATCAGTTCCTTCTTCTCAGCAGTCCACC
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 GTGCAATGTATGGAAGTGAATCTATCTTAGTCCAATGTCAAGCATATCATTGGTTACTCAGGGATGAA
 CAAGAAAACAGAAGGTGTCAGCCAAGGACGAGCCAGCTTCAAGCAGTAAAAGCAGCAATACATCACAGTCA
 CAGAAAAAAGGACAGCAATCCCAATTCCTGCAAAGCCGTAACCTAAAATGCATAGCCTTATGTGAAGTGA
 TCACCTCATCTGACCTGCACAAACATGGAGAGATATGGGTTGTCCCAACTGACCATGTCTGCACAGG
 ATTCTTTTTCGTCTATGAAGACGGCCAAGTGGGAGATGCAAAATTAATACACAAGAAGGAGGCATTAC
 AAAGAGATCCTCCGAGTAATTGGTAATCAAAGTCTACTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230545 representing NM_001178055
Red=Cloning site Green=Tags(s)

MGMCSRQERIQKDIDVVIQKSRAEKDCLFADFRYSDSTFTFTYVGGPRSVSVHVSSEDYDNTYVSSSE
NDEDVLTTEPIPVIFHRIATELRKTNDINCLSIKSKLQKENGEESRQNSTVEEDSEGDNDSSEFYGG
QVNYDGELHKHPQLEADLSAVREIYGPHAVSLREYGAIDVDIDLHIDVSFLDEEIAVAWEVIRTEPIIV
RLHCSLTQYLNQPVPTVDVVFQISTKERFGLGHQLKKIMQTFVTQQWKQSKEKSNCLHNKKLSEKKVKSPL
HLFSTLRRSPSYPPPGCGKSKSKLQSEQDGI SKTHKLLRRTCSSTVKTDVVCVTKSHRTFGRSLSSDPR
EQAMTAIKSHKLLNRPCPAAVKSEECLTLKSHRLLTRSCSGDPRCEHNTNLKPHKLLRSYSSNLRMEEL
YGLKNHKLLSKSYSSAPKSSKTELFKEPNAEGRRLSLTSGLIGILTPSSSSSSQLAPNGAKCIPVRDRGF
LVQTIIEFAEQRIPVLNEYCVVCEPHVFQNGPMLRPTVCERELCVFAFQTLGVMNEAADEIATGAQVVDL
LVSMCRSALESPRKVVIFEPYPSVVDPNPQMLAFNPRKKNYDRVMKALDSITSIREMTQAPYLEIKKQM
DKQDPLAHPLLQWVISSNRSHIVKLPVNRQLKFMHTPHQFLLLSSPPAKESNFRAAKKLFGSTFAFHGSH
IENWHSILRNGLVVASNTRLQLHGAMYGSGIYLSMSSISFGYSGMKNKQKVSADKDEPASSKSSNTSQS
QKKGQSQFLQSRNLKCIALCEVITSSDLHKHGEIWWVPNTDHCVTRFFFVYEDGQVGDANINTQEGGIH
KEILRVIGNQTATG

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001178055

ORF Size: 2562 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_001178055.2](#)

RefSeq Size: 7201 bp

RefSeq ORF: 2565 bp

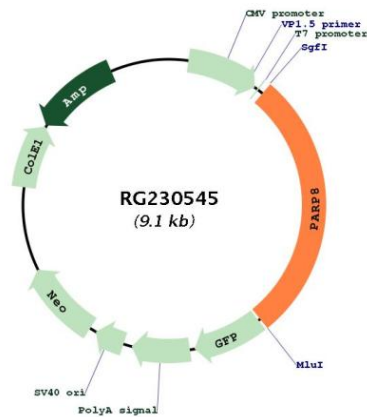
Locus ID: 79668

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 RG230545