

Product datasheet for **RG211123**

PARP6 (NM_020214) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARP6 (NM_020214) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PARP6
Synonyms:	ARTD17; PARP-6-B1; PARP-6-C; pART17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211123 representing NM_020214
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACATCAAAGGCCAGTTCTGGAATGATGACGACTCGGAGGGAGATAATGAATCAGAGGAATTTCTCT
 ATGGCGTTCAGGGGAGCTGTGCAGCTGACCTGTATCGACACCCACAGCTTGATGCAGACATTGAAGCCGT
 GAAGGAGATCTACAGTGAGAAGCTGTATCCATCAGAGAATATGGAAGTATCGATGACGTGGACATTGAC
 CTCCACATCAACATCAGCTTCTCGATGAGGAAGTCTCTACAGCCTGGAAGGTCCTCCGGACAGAACCTA
 TTGTGTTGAGGCTGCGATTTTCTCTCCAGTACCTAGATGGACCAGAACCATCCATTGAGGTTTTCCA
 GCCATCAAATAAGGAAGGATTTGGGCTGGGTCTTCAGTTGAAAAAGATCCTGGGTATGTTTACATCCCAA
 CAATGGAACATCTGAGCAATGATTTCTTGAAGACCCAGCAGGAGAAGAGGCACAGTTGGTTCAAGGCAA
 GTGGTACCATCAAGAAGTCCGAGCTGGCCTCAGCATCTTTTACCCATCCCAAGTCTCCAGTTTCCC
 TATCATACAGGACTCCATGCTGAAAGGCAAAGTGGGTGTACCAGAGCTTCCGGTTGGGCGCCTCATGAAC
 CGTTCATCTCCTGTACCATGAAGAACCCAAAGTGAAGTGTGGTACCCCTCCAGCCCCAGGCAG
 GTCTCCTGTGCCCTCAGCACGTGGGCTCCCTCCCCAGCACGGACCTCTCCTTTGGTCAGTGGTCACTG
 CAAGAACATTCCTACTCTGGAGTATGGATTCTCGTTCAGATCATGAAGTATGCAGAACAGAGGATTCCA
 ACATTGAATGAGTACTGTGTGGTGTGTGATGAGCAGCATGTCTTCCAAAATGGATCTATGCTGAAGCCAG
 CTGTCTGTACTCGTGAATATGCGTTTTCTCTTACACACTGGGCGTCATGTCTGGAGCTGCAGAGGA
 GGTGGCCACTGGAGCAGAGGTGGTGGATCTGCTGGTGGCCATGTGTAGGGCAGCTTAGAGTCCCCTAGA
 AAGAGCATCATCTTTGAGCCTTATCCCTCTGTGGTGGACCCACTGATCCCAAGACTCTGGCCTTTAACC
 CTAAGAAGAAGAATTATGAGCGGCTTCAGAAAGCTCTGGATAGTGTGATGTCTATTCGGGAGTACCCCA
 GGGCTCATATTTGGAAAATCAAGAAACAGATGGACAAGTTGGATCCCTGGCCCATCTCTCCTGCAGTGG
 ATCATCTCTAGCAACAGGTCACACATTGTCAAACCTACTCTCAGCAGGCTGAAGTTCATGCACACCTCAC
 ACCAGTTCCTCCTGCTGAGCAGCCCTCCTGCCAAGGAGGCTCGGTTCCGGACCGCAAGAAGCTCTATGG
 CAGCACCTTTGCCTTCCATGGGTCCCACATTGAGAACTGGCATTTCGATCTCGCGAATGGGCTGGTCAAT
 GCATCCTACACAAACTGCAGCTGCATGGAGCAGCCTATGGCAAAGGCATCTACCTGAGCCCCATCTCCA
 GTATTTCTTTGGATACTCAGGAATGGGAAAAGGACAGCACAGGATGCCCTCAAGGATGAGCTGGTCCA
 GAGATAACAACAGGATGAATACCATCCCCAGACCCGATCCATTAGTACAGGTTCTGCAGAGTCCGAAT
 CTAAACTGTATAGCACTTTGTGAAGTATTACATCTAAGGACCTCCAGAAGCATGGGAACATCTGGGTGT
 GCCTGTGTCGACCATGTCTGCACAAGATTCTCTTTGTATATGAGGATGGTCAGGTGGGCGATGCCAA
 CATTAATACTCAGGACCCCAAGATACAGAAGGAAATCATGCGTGTGATCGGAACTCAGGTTTACACAAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG211123 representing NM_020214
 Red=Cloning site Green=Tags(s)

MDIKGQFWNDDDDSEGDNESEEFLYGVQGSAAADLYRHPQLDADIEAVKEIYSENSVSIREYGTIDDDVID
 LHINISFLDEEVSTAWKVLRTPEIVLRLRFLSLSQYLDGPEPSIEVFQPSNKEGFLGLQLKILGMFTSQ
 QWKHLNDFLKTQQEKRHSWFKASGTIKKFRAGLSIFSPIKSPSPFIIQDSMLKGLGVPPELRVGRLMN
 RSISCTMKNPKVEVFGYPPSPQAGLLCPQHVGLPPPARTSPLVSGHCKNIPTLEYGFLVQIMKYAEQRIP
 TLNEYCVVCDEQHVVFQNGSMLKPAVCTREL CVFSFYTLGVMSGAAEEVATGAEVVDLLVAMCRAALES
 KSIIFEPYPSVDPTDPKTLAFNPKKKNYERLQKALDSVMSIREMTQGSYLEIKKQMDKLDPLAHPLLQW
 IISNRSHIVKLP LSR LKFMHTSHQFLLLSSPPAKEARFRTAKKLYGSTFAFHGSHIENWHSILRNLV
 ASYTKLQLHGAAYGKGIYLSPISSISFGYSGMGKQHRMPSKDELVQRYNRMNTIPQTRSIQSRFLQSRN
 LNCIALCEVITSKDLQKHGNIWCPVSDHVCTRFFVYEDGQVGDANINTQDPKIQKEIMRVIGTQVYTN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_020214

ORF Size: 1890 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_020214.2](#), [NP_064599.2](#)

RefSeq Size: 2631 bp

RefSeq ORF: 1893 bp

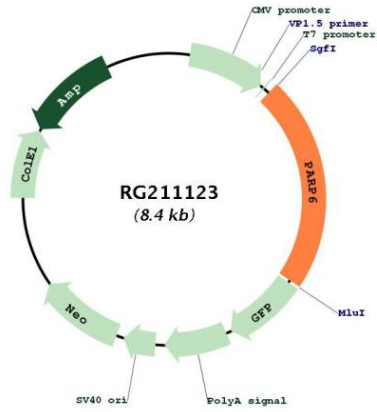
Locus ID: 56965

UniProt ID: [Q2NL67](#)

Cytogenetics: 15q23

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

Product images:



Circular map for RG211123