

Product datasheet for **RG219706**

PARP10 (NM_032789) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARP10 (NM_032789) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PARP10
Synonyms:	ARTD10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG219706 representing NM_032789
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTCTGGCAGGAACAGGGCAGTCAGGGGCTCTCTGAGGACAGGTCCCATGGTGCAGGGTAGAG
 GGATTATGACAACAGGCTCTGGCCAGGAACAGGGCAGTCAGGGACCTCTCTGAGGACAGGTCCCATGGG
 GTCTCTGGGACAGGCAGAGCAAGTCAGCTCGATGCCATGGGGTCTCTGGAACATGAGGGGCTGGTAAGC
 CTGAGGCTGTGGGGTTGCAGGAACAGGAGGGGCCATGAGCCTGGGGCTGTGGGTCTGCAGGCCAG
 TGGAGACCTCTAAGGGTTGCTGGGGCAGGAGGGCCTGGTGGAAATTGCCATGGACTCACCAGAGCAAGA
 GGGGCTGGTGGTCCCATGGAGATCACCATGGGTCTCTGGAGAAGGCAGGGCCTGTGAGCCAGGATGT
 GTGAAGCTGGCAGGGCAGGAGGGCCTGGTGGAGATGGTGTATTGATGGAGCCAGGGGCGATGCGCTTCC
 TGCAGCTCTACCATGAGGACCTTCTTGGGGCCTGGGAGACGTCGCTCTCTTGCCACTTGAAGGACCGGA
 TATGACTGGCTTTCGGCTCTGTGGAGCCAGGCTTCTGCCAGGGCGCTGAGGAGTTTCTCGGGAGCCTG
 CTGGGCAGCATTAGCTGCCATGTGTTGTGCCTGGAGCACCCGGGAGCGCCAGGTTTCTCCTGGGCCAG
 AAGGGCAGCACCTTCTCCAGGGGCTGGAGGCTCAGTTCAGTGTGTCTTTGGGACAGAGCGCTGGCCAC
 AGCCACGTTGGACACAGGCTTGAAGAGGTGGACCCTACCAGGGCCTCCAGTGTCTCCTGGCAACGCC
 CACACCCTGTGGACCCAGACAGTACAGGTGGTACCAGGAGGACGTGAGCCTGGAGGAGTCCGAGAAC
 TGCTGGCCACCCTGGAGGGCCTAGACCTAGACGGGGAGGACTGGTGCCTCGGGAGCTGGAGGAGGAAGG
 GCCTCAGGAGCAGCCAGAGGAGGAGGTGACCCAGGGCATGAGGAGGAGGAGCCTGTGGCCCCAGCACT
 GTGGCACCCAGGTGGCTGGAGGAGGAGCCGCTCTGCAGCTGGCCCTCCACCGGTCACTGGAGCCTCAAG
 GTCAGTGGCTGAGCAGGAGGAGGCTGCTGCCCTGCGGCAAGCCCTAACCTCTCCCTGCTGGAGCAGCC
 CCCGTTGGAGGCAGAAGAGCCCCAGATGGGGGACTGATGGCAAGGCCAGCTGGTGGTCACTCGGCC
 TTTGAGCAGGATGTGGAGGAGCTGGACCGGCGCTCAGGGCTGCCTTGGAGATCCACGTCCAGGAGGAGA
 CGGTGGGGCCTGGCGCCGACACTGCCTGCAGAGCTGCGTGCTCGCCTGGAGCGGTGCCATGGTGTGAG
 TGTTGCCCTGCGTGGTACTGCACCATCCTCCGTGGCTTCGGGGCCACCCTGCCCGTGTGCCCGCCAC
 TTGGTGGCACTTCTGGCTGGCCCTGGGATCAGAGTTGGCTTTCCCTTGGCAGCTTACGGCCCTACCT
 TGGCGGGCAGACGCTGAAGGGGCCCTGGAACAACCTGGAGCGTCTGGCAGAGAACCAGGGGAGTTCCA
 GGAGGTGGTGCAGGCTTCTACGACACCCTGGACGCTGCCCGCAGCAGCATCCGCGTCGTTCTGTGGAG
 CGCGTGTGACCCGCTGCTGCAGCAGCAGTATGAGCTGTACCGGAGCGCCTGCTGCAGCGATGCGAGC
 GCGCCCCGGTGGAGCAGGTGCTGTACCACGGCAGCAGCGCACCGGCAAGTGCCTGACATCTGCGCCCCAGG
 CTTCAACCGCAGCTTCTGCGGCCGAACGCCACGGTCTACGGGAAGGGCGTGTATTTGCCAGGGCGGCC
 TCCTGTGCGGTGACAGGACCGCTACTCGCCCCAACGCCGATGGCCATAAGGCGGTGTTCTGTGGCAGGG
 TGCTGACTGGCCACGTGCTCCTGCGCTACGACAGCGCGTGGACTGCATCTGCCAGCCCAGCATCTTCGT
 CATCTTCCAGCACCCAGGCGCTGCCACCCACCTCATCACCTGCGAGCACGTGCCCGCGCTTCCCC
 GACGACCCTCTGGGCTCCCGGGCCGCTCCCCAGACACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219706 representing NM_032789
Red=Cloning site Green=Tags(s)

MGSGEEPGQSGASLRTGPMVQGRGIMTTGSGQEPGQSGTSLRTGPMGSLGQAEQVSSMPMGSLHEHGLVS
 LRPVGLQEQEGPMSLGPVGSAGPVETSKGLLGQEGLVEIAMDSPEQEGLVGPMEITMGSLEKAGPVSPGC
 VKLAGQEGLVEMVLLMEPGAMRFLQLYHEDLLAGLGDVALLPLEGPDMTGFRLCGAQASCQAAEEFLRSL
 LGSISCHVLCLEHPGSARFLLGPEGQHLLQGLEAQFCVFGTERLATATLDTGLEEVDPTEALPVLPGNA
 HTLWTPDSTGGDQEDVSL EEVRELLATLEGLDLGDGDWLPREEEGPEQPEEEVTPGHEEEEPVAPST
 VAPRWLEEEAALQLALHRSLEPQGVAEQEEAAALRQAL T L S L L E Q P P L E A E P P D G G T D G K A Q L V V H S A
 FEQDVEELDRALRAALEIHVQEE TVG P W R R T L P A E L R A R L E R C H G V S V A L R G D C T I L R G F G A H P A R A A R H
 L V A L L A G P W D Q S L A F P L A A S G P T L A G Q T L K G P W N N L E R L A E N T G E F Q E V V R A F Y D T L D A A R S S I R V V R V E
 R V S H P L L Q Q Y E L Y R E R L L Q R C E R R P V E Q V L Y H G T T A P A V P D I C A H G F N R S F C G R N A T V Y G K G V Y F A R R A
 S L S V Q D R Y S P P N A D G H K A V F V A R V L T G H V L L R Y D S A V D C I C Q P S I F V I F H D T Q A L P T H L I T C E H V P R A S P
 D D P S G L P G R S P D T

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

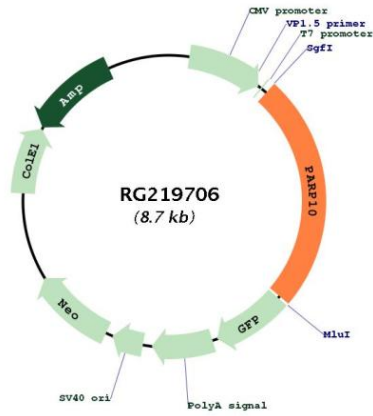


ACCN: NM_032789

ORF Size: 2139 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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:	<p>NM_032789.1, NP_116178.1</p>
RefSeq Size:	<p>3471 bp</p>
RefSeq ORF:	<p>3078 bp</p>
Locus ID:	<p>84875</p>
UniProt ID:	<p>Q53GL7</p>
Cytogenetics:	<p>8q24.3</p>
Domains:	<p>UIM</p>
Gene Summary:	<p>Poly(ADP-ribose) polymerases (PARPs), such as PARP10, regulate gene transcription by altering chromatin organization by adding ADP-ribose to histones. PARPs can also function as transcriptional cofactors (Yu et al., 2005 [PubMed 15674325]).[supplied by OMIM, Mar 2008]</p>

Product images:



Circular map for RG219706