

## Product datasheet for **SC319646**

### PARP3 (NM\_005485) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PARP3 (NM_005485) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARP3
Synonyms:	ADPRT3; ADPRTL2; ADPRTL3; ARTD3; IRT1; PADPRT-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_005485.3  
CACAGGACAGCCATGGCTCCAAAGCCGAAGCCCTGGGTACAGACTGAGGGCCCTGAGAAG  
AAGAAGGGCCGGCAGGCAGGAAGGGAGGAGGCCCTTCCGCTCCACCGCTGAGGCCCTC  
AAGGCCATACCCGAGAGAAGCGCATAATCCGCGTGGATCCAACATGTCCACTCAGCAGC  
AACCCCGGACCAGGTGTATGAGGACTACAACGCACCCTGAACCAGACCAACATCGAG  
AACAAACAACAAGTTCTACATCATCCAGTGTCCAAGACAGCAACCGCTTCTTCACC  
TGCTGGAACCGCTGGGGCCGTGTGGGAGAGGTGGCCAGTCAAAGATCAACCACCTCACA  
AGGCTAGAAGATGCAAAGAAGGACTTTGAGAAGAAATTCGGGAAAAGACCAAGAACAAC  
TGGGCAGAGCGGGACCCTTTGTGTCTCACCCGGCAAGTACACACTTATCGAAGTACAG  
GCAGAGGATGAGGCCAGGAAGCTGTGGTGAAGGTGGACAGAGGCCAGTGAGGACTGTG  
ACTAAGCGGGTGCAGCCCTGCTCCCTGGACCCAGCCACGCAGAAGCTCATCACTAACATC  
TTCAGCAAGGAGATGTTCAAGAACCATTGGCCCTCATGGACCTGGATGTGAAGAAGATG  
CCCCTGGAAAGCTGAGCAAGCAACAGATTGCACGGGGTTTCGAGGCCTTGGAGGCCTG  
GAGGAGGCCCTGAAAGGCCCCACGGATGGTGGCCAAAGCCTGGAGGAGCTGTCTCACAC  
TTTTACACCGTCATCCCGCACAACCTTCGGCCACAGCCAGCCCCGCCCATCAATCCCCT  
GAGCTTCTGCAGGCCAAGAAGGACATGTGCTGGTGTGCTGGCGGACATCGAGCTGGCCAG  
GCCCTGCAGGCAGTCTCTGAGCAGGAGAAGACGGTGGAGGAGGTGCCACACCCCTGGAC  
CGAGACTACCAGCTTCTCAAGTGCCAGCTGCAGCTGTAGACTCTGGAGCACCTGAGTAC  
AAGGTGATACAGACCTACTTAGAACAGACTGGCAGCAACCACAGGTGCCCTACACTTCAA  
CACATCTGGAAAGTAAACCAAGAAGGGGAGGAAGACAGATTCCAGGCCACTCCAAACTG  
GGTAATCGGAAGCTGCTGTGGCATGGCACCAACATGGCCGTGGTGGCCGCCATCCTCACT  
AGTGGGCTCCGCATCATGCCACATTCTGGTGGGCGTGTGGCAAGGGCATCTACTTTGCC  
TCAGAGAACAGCAAGTCAGCTGGATATGTTATTGGCATGAAGTGTGGGGCCCACTATGTC  
GGCTACATGTTCTGGGTGAGGTGGCCCTGGGCAGAGAGCACCATATCAACACGGACAAC  
CCCAGCTTGAAGAGCCCACTCCTGGCTTCGACAGTGTATTGCCGAGGCCACACCGAG  
CCTGATCCGACCCAGGACACTGAGTTGGAGCTGGATGGCCAGCAAGTGGTGGTGGCCAG  
GGCCAGCTGTGCCCTGCCAGAGTTCAGCAGCTCCACATTCTCCAGAGCGAGTACCTC  
ATCTACCAGGAGAGCCAGTGTGCGCTGCGTACCTGCTGGAGGTCCACCTCTGAGTGCC  
GCCCTGTCCCCGGGGTCTGCAAGGCTGGACTGTGATCTTCAATCATCTGCCATCTC  
TGGTACCCTATATCACTCCTTTTTTTCAAGAATAACAATACGTTGTTGTTAACTATAGTC  
ACCATGCTGTACAAGATCCCTGAACTTATGCCTCCTAACTGAAATTTTGTATTCTTTGAC  
ACATCTGCCAGTCCCTCTCTCCAGCCATGGTAACCAGCATTGACTCTTTACTTGT  
ATAAGGGCAGCTTTTATAGGTTCCACATGTAAGTGAGATCATGCAGTGTGTTGCTTTCTG  
TGCTGGCTTATTTCACTCAGCATAATGTGCACCGGGTTCACCCATGTTTTCATAAATGA  
CAAGATTTCTCCTTAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_005485

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005485.3</a> , <a href="#">NP_005476.2</a>
<b>RefSeq Size:</b>	2373 bp
<b>RefSeq ORF:</b>	1599 bp
<b>Locus ID:</b>	10039
<b>UniProt ID:</b>	<a href="#">Q9Y6F1</a>
<b>Cytogenetics:</b>	3p21.2
<b>Domains:</b>	PARP, PARP_reg
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Base excision repair
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the PARP family. These enzymes modify nuclear proteins by poly-ADP-ribosylation, which is required for DNA repair, regulation of apoptosis, and maintenance of genomic stability. This gene encodes the poly(ADP-ribosyl)transferase 3, which is preferentially localized to the daughter centriole throughout the cell cycle. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and uses a downstream translational start codon, compared to variant 1. The resulting isoform (b) is shorter at the N-terminus, compared to isoform a.</p>