

Product datasheet for SC113897

PARP16 (NM_017851) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARP16 (NM_017851) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARP16
Synonyms:	ARTD15; C15orf30; pART15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113897 sequence for NM_017851 edited (data generated by NextGen Sequencing)

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ATGCAGCCCTCAGGCTGGGCGGCCGCCAGGGAGGCGGCGGCCGCGACATGCTGGCCGCC
GACCTCCGGTGACGCTCTTCGCTCGGCCCTGCAGAGCTACAAGCGCGACTCGGTGCTG
CGGCCCTTCCCCGCGTCTACGCCCGCGGCGACTGTAAGGACTTTGAAGCCCTGTTGCA
GATGCCAGCAAGTTACCTAACCTGAAAGAACTTCTCCAGTCTCCGGAGACAACCACAAA
CGGGCCTGGGACCTGGTGGAGCTGGATTTATCCTCAAAGGTCCTGACAATCCACAGTGCA
GGGAAGGCAGAGTTTAAAAGATCCAAAAGCTGACTGGGGCTCCTCACACGCTGTTCT
GCACCGGACTTCTGTTTGAATGAGTACTTTGACCCAGCCAACGCCAAATTTTATGAG
ACCAAAGGAGAACGAGACCTAATCTATGCATTTTCATGGTAGCCGCTAGAAAACCTCCAT
TCCATTATCCACAATGGCCTGCACTGCCATCTGAACAAGACATCCTTGTTCCGGAGAGGGG
ACCTACCTCACCAGTGACTTGAGCCTGGCCCTCATATACAGCCCCATGGCCATGGGTGG
CAGCACAGCCTCCTCGGCCCATCCTTAGCTGTGTGGCCGTGTGTGAGGTCATTGACCAT
CCGGACGTCAAGTGCCAAACCAAGAAGAAGGATTCGAAGGAGATAGATCGCAGACGAGCG
AGAATCAAACATAGTGAAGGGGGAGACATCCCTCCCAAGTACTTCGTGGTCACCAATAAC
CAGCTGCTGCGAGTGAAGTACCTCCTGGTGTATTACAGAAAGCCACCCAAGANNNGGCT
TCGAGCCAGCTCTCCTGGTTTTCCAGCCATTGGTTTACCGTCATGATATCCCTGTATCTG
CTGCTGCTGCTCATAGTGAGTGCATCAACTCCTCTGCTTTCCAACACTTTTGAATCGT
CGGAAAAGATAA

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Clone variation with respect to NM_017851.4
833 g=>n;834 c=>n;835 a=>n



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017851 unedited
 NGTTAAGTTTACACTTGTATAAACAATCATATAGGCGGCCGCGACATTCGCACGAGGCTCT
 GCCCGCGTCCCCCGGGGCTGCTTCCCGCCCCAGGCCTCCGCGGAGGACACGTGTCAGC
 ACGTTCCTCCGCGTTGTCATTCCATTGTCATAGCCCTTCCCTAGGCGGGAAACCCCTCCC
 CCCCACAGCCCCAGTTCCTTTATCCCTGGGCCAACCTCCCGCCGACCCGCGGTCCAG
 GGCTCGGTCTCTCTTTCGGCGGCGAGCCGCGGCCAGACCCCGCAGAGGACACTTGTG
 GGCACGTTCTCACCCCTGTCATCTCAGCCCCCTGCCTAGCTCCACCCAGGCTTGGGAAC
 CCGGCCCTGACGGCCATTGTCCGCGGGCCAGCCCCCGCTGAACGCACGCTCGCCC
 TTGCCCTAACACGCGCTTACCCCGCAACGCGCAGTGACCTGNGATGCAGCCCTCAN
 GCTGGGCGGCCGAGGGAGGCCCGCGGCCGCGACATGCTGGCCGCGACCTCCGGTGC
 AGCCTCTTTCGCTCGCCCTGCAGAGCTACAAGCGCGACTCGGTGCTGCGCCCTTCCC
 GCGTCTACGCCCCGNGCGACTGTNAGGACTTTGAAGCCCTGCTTGAGATGCCAGCNAG
 TTTACCTAACCTGAAAGAACTTCTNCAGTNCNTCGAGAACACCACAACGGNCCTGGGAC
 CTGNTGAGCTGGATTTTATCCCTCAAGTCTGACATCCACAGTGCAGGNAAGGCANAGTT
 TGAAAGATCCAAAGCTGACTGGNGCTNCTCCACGCCTGTTCCCTGCACGACTTNCGTTN
 GAAATTGAGTACTTTGACCCAGCCACGCCAATTTTATGAGACCAAAGGNAGACGAGACC
 TAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017851 unedited
 ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCATTAATAAAAAATCTTT
 ATTTATTCTGAAATGTTCCAATAATCAATGTAATAACTGTGGTAGTGGCTCTTTCACAAC
 TTTACAAATTATAGAAAAATGATTTTCTCTTTTACAGAAATGTCACCTCCCAATCG
 TACCGGGCCCTATTATGGCTAAAACCCAGCAGGAAGAAGGGAGCAGAGAATACAGCAAGC
 AGGGCTCCGGCTCTGCGGTGGCCAGAAGGCTTTTCTACACATTAAGCCAGGCTGAG
 TCTCAAAGACCTGTGACCCCTCTGAAGGAGGCTCCATCCACATGGATCTGTGGCACA
 GGGCAGGCTCTGCTTGAAGGCCAGTAGGCCACAGAAGACCTGAAAGCATGGCACTCGT
 GGTGACAGGCCACAGTCAAGGCAGCTTTGTGAGAATGAGAACAGGAGGCGAGCCTATAGC
 TCAATCCCTTTCTTAAACACAGCCAGAAAAGAGGCTGTGGCACTGGCCAAACAGTG
 CACTAGTTTATAGAAATTTCCCTTTTACTCAGCAAAGACTAATTTGTTAAACAGCTATTA
 AAAAAAATCAGAAAACAACATTTGGTTCCATTTGAGCTGTAATCAGCAGTTGGTAATT
 TTTGGAAAAGAGCAGTTTTCTCATCTTGANGTGCTCATTAAAGTCTGATTTTTTATCAG
 GCCCTGACTCCTTTCTTCTATCCATGGTTTTTTGGGGAGGGGGCAAGTACAGCTATA
 GGAAGAGGCTGTTGTTGATTTGAGACTGTTAAAAGTNTGACTACATACAAAGCTGA
 TGGATCAANATGATCCACTGATTTATGAGAACAGACTGTCTCTGGTGTCTCAGTCAACAA
 GCACCGCTAGGATTATATCCACATTTTCGCTTCAT

Restriction Sites:

NotI-NotI

ACCN:

NM_017851

Insert Size:

2700 bp

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).

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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_017851.4</u> , <u>NP_060321.3</u>
RefSeq Size:	2551 bp
RefSeq ORF:	972 bp
Locus ID:	54956
UniProt ID:	<u>Q8N5Y8</u>
Cytogenetics:	15q22.31
Protein Families:	Transmembrane
Gene Summary:	<p>Intracellular mono-ADP-ribosyltransferase that may play a role in different processes through the mono-ADP-ribosylation of proteins involved in those processes (PubMed:23103912, PubMed:22701565, PubMed:25043379). May play a role in the unfolded protein response (UPR), by ADP-ribosylating and activating EIF2AK3 and ERN1, two important UPR effectors (PubMed:23103912). May also mediate mono-ADP-ribosylation of karyopherin KPNB1 a nuclear import factor (PubMed:22701565). May not modify proteins on arginine or cysteine residues compared to other mono-ADP-ribosyltransferases (PubMed:22701565).</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>