

Product datasheet for RN203347

Parp16 (NM_001014093) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Parp16 (NM_001014093) Rat Untagged Clone
Tag: Tag Free
Symbol: Parp16
Synonyms: ARTD15; LRRGT00109; RGD1306243
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203347 representing NM_001014093
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGCAGCTCTCCAACAGGGCGGCAGCCAGGGAGTCGGTGAGCCGCGACGTGCTGGCCGGGACCTCCGCT
 GCAGCCTCTTCGCTCAGCGCTGCAGAGCTACAAGCGGGACTCGGTGCTGCGGCCCTCCCCGCCTCCTA
 CGCCCGCCACGACTGTAAGGACTTCGAGGCCCTGCTTGGGACACTGGCAGGTTACCTAACTTGAAGGAA
 TTCTGCACTCCTCCAGGGACACAGACAAACAGACCTGGGACCTGGTGAGCTGGATTCTATCCTCCAAGA
 TCCTGACAATCCACAGTGCAGAGAAGGCCGAGTTTAAAAAGATCCAGCAGCTGACCGGTGCACCTCACAC
 ACCTGTCCCCATCCCAGATTTCTTTTTGAAATTGAGTACTTTGACCCGGCCAATGCCAGATTCTATGAG
 ACCAAAGGAGGGCGGAGACCTGATCTATGCCTTCCATGGCAGCCGCTAGAGAACTCCATTCCATCATTC
 ACAACGGCCTGCATTGTCACCTGAACAAGACTTCTCTGTTGGAGAGGGGACCTACCTCACAAAGTGACTT
 GAGCCTGGCCCTCATTTATAGTCCTCACGGCCGTGGGTGGCAGCATAGCCTCCTTGCCAGACCCCTAGC
 TGTGTAGCTGTGTGAGGTCACTGACCATCCAGATGTCAAGTGCCAAACCAAGAAGAAGATTCCAAGG
 AAATCGACCGCAGCAGAGCTCGAATCAAGCACAGCGAAGGGGGAGATGTCCCCCTAAGTACTTTGTAGT
 CACTAACCAACCAGCTTCTGCGGGTGAAGTACCTACTGGTGTATTCCAGAAAGCAGCCCAAGAGGGCCTCG
 AGCCAGCTTTCTGGCTGTGCAGCCATTGGTTCATGGTCGCGATGTCCCTCTATCTGCTGCTGCTGCTCA
 TCGTCAGTGTACCAACTCTCTGCCTTCCAGCACTTCTGGAATCGCCTGAAGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001014093
Insert Size: 969 bp



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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.
RefSeq:	<u>NM_001014093.1</u> , <u>NP_001014115.1</u>
RefSeq Size:	2336 bp
RefSeq ORF:	969 bp
Locus ID:	315760
UniProt ID:	<u>Q5U2Q4</u>
Cytogenetics:	8q24
Gene Summary:	Intracellular mono-ADP-ribosyltransferase that may play a role in different processes through the mono-ADP-ribosylation of proteins involved in those processes. May play a role in the unfolded protein response (UPR), by ADP-ribosylating and activating EIF2AK3 and ERN1, two important UPR effectors. May also mediate mono-ADP-ribosylation of karyopherin KPNB1 a nuclear import factor. May not modify proteins on arginine or cysteine residues compared to other mono-ADP-ribosyltransferases.[UniProtKB/Swiss-Prot Function]