

Product datasheet for **MC203567**

Parp16 (NM_177460) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Parp16 (NM_177460) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Parp16 |
| Synonyms: | ARTD15; BC055447; C79952; PARP-16 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC055447
 AGGACTTTGGGTCGGCTACTGTGTCTTGAAAAAGTATTGTGTCCTCCGACCTTCAGTTTTCCCTGGGTA
 TCAAGTGGCTTCTGTGTGCAACGTGTGACGCTCCAGAGGAAACCGATTTATTCAACAGGTGGCAATTCCC
 AAGCTCCACCCCGGGCTGGAAAACCTGGCAGCAGACGGTCTACGGTCCCGGGCCAGGCCCGCGC
 TGCCCCCTCTGTCTCTCCCGGCCACGCGCTACGAGCCCGGGATGCAGCTCTCAACAGGGCAGCAGCC
 AGGGAGGCAGCGAGCCGCGACGTGCTGGCTGCGGACCTCCGCTGCAGCCTCTTCGCCTCGCGCTGCAGA
 GCTACAAGCGGGACTCGGTGCTGCGGCCCTCCCGCCTCTACGCCCGCCACGACTGTAAGGACTTCGA
 GGCCCTGCTTGCGGACACTGGCAGGTTACCCAACCTTGAAGGAACCTTACAGTCCCTCCAGAGACACAGAC
 AAACAGGCCTGGGACCTGGTGAGCTGGATTTATCCTCCAAGATCCTGACAATCCACAGTGCCAAGAAGG
 CAGAGTTTAAAAAGATCCAGCAGCTGACCGGCGCCCTCACACACCTGTCCACCCCGGATTTCTATT
 TGAAATTGAGTACTTTGACCCGGCAACTCCAGATTTTATGAGACCAAAGGAGAACGAGACCTAATCTAT
 GCCTTCCATGGTAGCCGCTAGAGAACTCCACTCCATCATTACAATGGCCTGCACTGCCACCTGAACA
 AGACTTCTGTGTTGGAGAGGGGACCTACCTCACAAAGTGACTTGAGCCTGGCCCTCATTTATAGCTCA
 TGGCCACGGGTGGCAACATAGCCTTCTTGCCCGATCCTGAGCTGCGTAGCTGTGTGTGAGGTGATCGAT
 CATCCAGATGTCAAGTGCCAAATCAAGAAGAAGGATTCCAAGGAAATAGACCGCAGCCGAGCAAGAATCA
 AGCACAGCGAGGGGGAGAGATCCCCCTAAGTACTTTGTAGTACCAATAACCAGCTTCTGCGGGTGAA
 GTACCTGCTGGTGTATTCCAGAAGCAGCCAAAGAGGGCCTCGAGCCAGCTCTCCTGGTTGTCCAGCCAC
 TGGTTCGTGATCATGATGTCCTGTATCTGCTGCTGCTCATCGTGAGTGTACCAACTCCTCTGCGT
 TCCACCACTTCTGGAATCGTGTGAAGAGATGATCCAGGTGCTTGGAGTGGGGCCACTCACCGTGTGCC
 TATGAAAACCTGTCTCTACCTCCTGTGTGTCACATCCGGTCAGGTGAGTCTGGGGACCGTTTGCAGGG
 GTGCACAGGACGAGTTTATATGCCATAAGTGTACTGATTGCCTTTGTTGATGTGCCCAGACACAATCCA
 GTCAGTGGGGATCCCTGGCCCTCACTTGTGAGTTTCAGGGGTGCTCCTACCCTGCTTCTCTCTAAAT
 AGTCTAGGGAGGTGGCTTTCAGCCAGAGCCAAAGGAAAAAGTCTGTCATTTAAAAGCAAAGTGTCC
 AAGCTGTCCGAGGTGTGTTTACAATTGCCAGATGGAGGCCGGCCGGATGCTAATGCCTTTTGAAGAC
 AGAACGTGTGCAACGGGAACAATAAATCATTAGGCGACTGCCTGTTTTGACTCAAGACACCCAAGAGGG
 ACTGTCGTGTTTCTATAAAAAATACAGTGGGATCGTTTTGGGATTCCATCGGCTTTAGTCTGCCGGTGC
 AAAACATTTTAAACAGTTTCTCAGATCAACAACCGTCTCTGCCACAGCTGTACCCCTCCCTCCTTAACC
 ACACAAGAGGAGGAGCCACAGCGGGATAACAAAATGCAGATTTAAACACTAGCAACTCTGTCATCTTTT
 TCTAAAAATGACCAACTGCTGATTACAGCTCAAACGGAACCAAATGTTTGCCTTTCTGTTTTTGTGTCA
 TTTATTTGACAAGTTAGCCTCTATGAGCCAAATAGAGGGGAGATGTGTGAACCTGGAGCACCGAGTGGC
 TACATCCACAGCCTCTTCTGGTGTGTTATGGAGAAGGGTCCAAGCCATAGGCTCACCGGGTCTCAT
 TCCACAAAAGCTGCCTTGATACCAACACTCTAGGCTCTCAGGGGCCCGCAGCCTTACAGCAGAGGCC
 TGCCCTCAGTGGGCCACGGGTCTCCATGGGCTGAGCCTCCATCCGAGAAGCCTGAGATTGAGTGGTAAGCA
 GAGGCCACGCCATCCTTGTGTGGTGTATCCCTCCTTCTGCCAGGTTTACAGCGCAGAAGACCCCTG
 TCTGCTGGGAATGGAGTTTCCATAGAGAAGGAGAAAATAATTTTTTCTATAATTTGTAAGCTTGTGA
 AAAAGCCACTATCGTGATTTTTTAAATCAAGTAGTGGGACATTTAAAAACAATAAAGATATTTTCTATA AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_177460

Insert Size: 969 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:

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: [BC055447](#), [AAH55447](#)

RefSeq Size: 2464 bp

RefSeq ORF: 969 bp

Locus ID: 214424

UniProt ID: [Q7TMM8](#)

Cytogenetics: 9 C

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]