

## Product datasheet for **MR207776**

### Parp6 (BC031387) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Parp6 (BC031387) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Parp6
Synonyms:	1700119G14Rik; 2310028P13Rik; 3110038K10Rik; ARTD17; C030013N01Rik; PARP-6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR207776 representing BC031387  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACATCAAAGGCCAGTTCTGGAATGATGATGATTGAGAAGGAGATAATGAATCAGAGGAATTTCTGT  
 ATGGAGTTCAGGGGAGCTGTGCAGCTGACCTGTATAGACACCCACAGCTTGATGCAGACATTGAAGCAGT  
 GAAAGAGATCTACAGTGAGAAGTCCGTGTCCATCAGAGAATATGGAAGTATCGATGACGTGGACCTTGAC  
 CTCCACATCAACATCAGCTTCTCGATGAGGAAGTATCTACAGCTTGAAGGTCCTTCGAACAGAACCTA  
 TTGTGTTGAGGCTACGGTTTTCTCTCTCAGTACCTTGATGGACCAGAGCCATCAATTGAGGTTTTCCA  
 GCCATCGAATAAGGAAGGGTTGGGCTAGGTCTTCAGTTGAAAAAATCCTGTGTATGTTTACATCCCAA  
 CAATGGAAGCACCTGAGCAATGATTTCTTGAAGACCCAGCAGGAGAAGAGGCACAGTTGGTTCAAGGCAA  
 GTGGTACCATCAAGAAGTCCGAGCTGGCCTCAGCATCTTCTCACCCATCCCAAGTCTCCAGTTTTCC  
 TATCATACAGGACTCTATGCTGAAAGGCAAAGTGGGTGTACCAGAGCTCCGAGTTGGACGCCTTATGAAT  
 CGTTCATTTCTTGCACCATGAAGAACCAAAAAGTAGAGGTGTTGGCTATCCCCCAGCCCCAGGCAG  
 GTCTCCTGTGCCCCAGCACGTGGGCTCCCTCCCCAGCACGGACTTCTCCTTTGGTCAGTGGTCACTG  
 CAAGAACATCCCCACTCTGGAGTATGGATTCTTGTCCAGATTATGAAGTATGCAGAGCAGAGGATTCCA  
 ACGTTAAATGAGTACTGTGTGGTTTGTGATGAGCAGCATGTCTCCAGAATGGGTCCATGCTCAAGCCAG  
 CTGTCTGTACTCGTGAGTTATGCGTCTTCTCCTTCTACACACTGGGAGTCATGTCTGGAGCTGCAGAAGA  
 AGTGGCTACAGGAGCAGAGGTGGTAGATCTGCTGGTGGCCATGTGTAGAGCAGCTTTGGAATCCCCTAGA  
 AAAAGCATCATCTCGAGCCTTATCCCTCTGTGGTGGACCCACTGATCCCAAGACTCTGGCCTTTAACC  
 CTAAGAAGAAGAATTATGAGCGCTTCAGAAAGCTCTGGATAGTGTGATGTCCATCCGGGAGATGACCCA  
 GGGCTCATATTTGGAAATCAAGAAACAGATGGACAAGCTGGATCCCTTGGCCCATCCTCTTCTGAGTGG  
 ATAATTTCTAGCAACAGGTCACACATTGTCAAACCTACCTCTCAGCAGGCTGAAGTTCATGCACACCTCAC  
 ACCAATTCCTCTGCTGAGCAGCCCTCCTGCCAAGGAGGCTCGGTTCCGGACAGCCAAGAAGCTCTACGG  
 AAGCACCTTTGCTTTCCAGAATGGGCAAAGGACAGCACAGGATGCCTTCCAAGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207776 representing BC031387  
 Red=Cloning site Green=Tags(s)

MDIKGQFWNDDSEGDNESEEFYGVQGSAAADLYRHPQLDADIEAVKEIYSENSVSIREYGTIDDVDLD  
 LHINISFLDEEVSTAWKVLRTPEIVLRLRFSLSQYLDGPEPSIEVFQPSNKEGFLGLQLKKILCMFTSQ  
 QWKHLNDFLKTQQEKRHSWFKASGTIKKFRAGLSIFSPIKSPSPFIIQDSMLKGLGVPPELVRGLMN  
 RSISCTMKNPKVEVFGYPPSPQAGLLCPQHVGLPPPARTSPLVSGHCKNIPTLEYGFLVQIMKYAEQRIP  
 TLNEYCVVCDEQHVVFQNGSMLKPAVCTREL CVFSFYTLGVMSGAAEEVATGAEVVDLLVAMCRAALES  
 PRKSIIFEPYPSVVDPTDPKTLAFNPKKNYERLQKALDSVMSIREMTQGSYLEIKKQMDKLDPLAHPLLQW  
 IISSNRSHIVKLP LSR LKFMHTSHQFLLLSSPPAKEARFRTAKKLYGSTFAFQNGQRTAQDAFQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

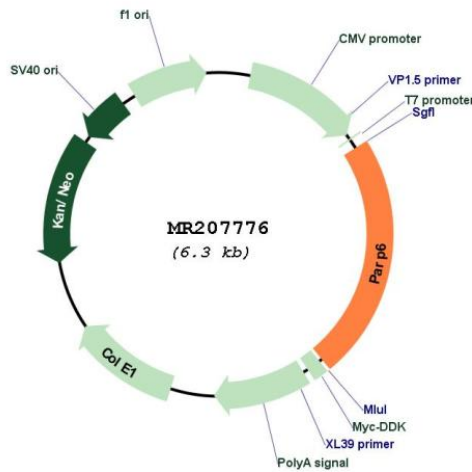
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC031387

**ORF Size:** 1455 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [BC031387.1](#)

**RefSeq Size:** 2264 bp

**RefSeq ORF:** 1457 bp

**Locus ID:** 67287

**Cytogenetics:** 9 B

**MW:** 82.9 kDa

**Gene Summary:** Mono-ADP-ribosyltransferase that mediates mono-ADP-ribosylation of target proteins.  
[UniProtKB/Swiss-Prot Function]