

Product datasheet for **MC222861**

Parp10 (NM_001163576) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parp10 (NM_001163576) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Parp10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222861 representing NM_001163576
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGAGTGGAGGCAGGGCAGCCCTGGAGCTCCGGGACTGCCCCAGAAATACCAGATGAGCTCA
 TTA**CTCTGTACTTTGAAAACCA**CGTCGCTCGGGTGGAGACTTCTATTGAGCTGGCAGAGACTTGGCTG
 TGGGGGTGCCTCATCTTTCAAGATCCTGCAGATGCAAAGAGGGTCTTAGCC**CAGGCAGAGC**ACCGACTA
 CATGGTGTCCGACTGAGCCTGAGGCCAGCCCCACCGCGTGCC**CCAGA**ACGTGTGCTTCTCCAACACCTGC
 CACCTGGCACTT**CACCTCTGAGTCTGGAGCA**ACATGTT**CAGGCCTT**GCTGGTGTGCAGGACACCCCGT
 GCAGACTTGCATGCCCTGGCCAGTCTCGGCAGGACTGTGCCCTGGTCCAGTTATCCACGCCCTTTCT
 GAGGCAGAGGT**CAGT**GCCCTGGCAGAACAGGCCCGGAATCTGCCCTGAATGGAGCCACTGTGCCTTGG
 CCTGGGTGCC**CCAGACCCGAGCAGT**ACGTGTGGTGGACAGTGTCTCCTGTGGACCTGTTATTGTTGGA
 GCTCTACCTGGAAAATGAGCGTGCAGTGGTGGCGGACCCTGGAGGGTCTGCGCAGCCTGCCTGGGCAG
 CTAGGCACTGTTATTTCCCTTTCAGCAATGGCAGGTGGCTGAACGGGTGCTGAAGCAGAAACACTGGCTAC
 AGGGCATTGAGTTGAGCCTTGTCCCTCACTATGATGTCTTAGAGCCAGAAGCGCTCGCTGAGGGCGTCAG
 TGGCAGGGACATT**CAGCTACTCA**GAATCTGGAGTCA**TTGGT**CATGCGCTACAGGA**ACTGGAG**ACTG
 GCCGGGCTCTGACCA**TGGTGTGGG**CTCTGGGAGGCACCACA**CAAT**AGGAACCTTCTAAGGGCAG
 GTCCTGTAGGAGCTCCAGGACAAGCCCTGCCAGTTGACTCGGGATCAATAGGATCCAGGGGAGTATGGG
 GTCTACAAGCCAGT**CGATCCAGT**AGAGAGCTTACAGAGCTCCAGAGCAAGTAGGACCCATGGCCTCA
 GACTCAGTGGGTGTT**CAGGAGCAGG**AGGGCTGGGGAAAGTTGCCACAGGGCAAGAGGGGCTAATGGGT
 TAGTGGGACAGCCATGGAGTCTGTAGAGACTGGGCTGGAGAGCCCTGGGTATGGGGAGATGCAGAA**GCA**
 AGAGGGCTGGTGGAAAATGGT**GATGTC**AGTGGAA**CCAGG**AGCTGTGCGCTACCTGCAGCTTTATTATGAG
 GACCTCCTCGCCAGCCTAGAAGATGTTGCCCTTTCCACTTGAAGGAACGGATGTGACTGGCTTTCGGC
 TGTGTGGAGCCAGGGCCCTGCCAGGCAGCCAAAGAGTTGCTT**CAGAGTCTGCTGGG**CAGCATTAGCTG
 TCACACGCTGAACATGAAGCACCCGGCAGTGCAGGTTCTGCTGGGTGTGGAGGGGCAGCACCTTCTT
 CACAGACTGGAGGCTCAGTTCAGTGTGTCTT**CGGGACAGA**ACATCTGGCCAGCGCCACCCTGGACATAG
 ACCCTGAAAGGACAGATCCCACTGAGGCCCTCAAGTCTCCATGGCCACATTACAGGCATCGATCAGGA
 GAGCTTGAGACTGGAGGACGTCCGAGAGCTACTGGCTACCTGGAGAGCCACATGGAGGGGAGGACAGG
 GTGCCCTGGAGATGGAGAAGGAGAACTGGAGGACCAGGAGAGACTGTTGTAGAGCAGCAGGAGGAAA
 TCCCCACACTT**GAGGCTGAGG**AGGAGCCTGTGGCCCTTAGCACCGGGCACGTGGGCAGTTAGAAGAAG
 AGCCACACTTCAACTGGCTATCCACCGTCTTGGAGTCTCAAAGCCAGGTGGCAGATCAGCAGGAGGCT
 AATGCACTAAGGGCAGCCATGGCCCTTCCCTGTTAGAAGCAGAAGAGGCCCTGGATGAGGACACTGGGG
 GCGAGGGCCAGCTGGTGGTGCACACATCCTTTGAGCAGGATGTGGATGAATTGAACCAGGCCCTTATCAA
 TGCTTGGAGGCACACCTTGGGAGGAGACAGT**GAGTCTCA**AGGGCGCATGCTACCCCCGAGCTGGGG
 GCTCGTCTGAAAAGGTGCATGATGTGAGTGTACCCTCCGTGGCGACCGAGTTGCTCCTCCGTGGCTTTG
 GGTCCAGCCTGCCCGCGGGCTCGCCACTTAGCTGCTGCTGCTGTTGACCCCTGGGACCAGAATTTGAC
 CTTTCCCTTTGGAGGCTTCAAACCCA**ACTTGTCTGAGC**AGGGGCTGAAGGAACCCCTGGGCAGACTGGAG
 GCCCTGGAAAGAGAATTCC**CAGGAGT**TCCAAGATGTGGTGGCGGCCCTTTATAGCACCTTGGATGCTGTCC
 ACGGCAGGATCCGCATTGTT**CGAGT**AGAACCGTGT**CACACCC**ATTGCTGCAGCAACAGTACCAGCTGCA
 CCGGGAGCGTTTAA**TGCAGAGCT**GCCAGCAACGCCAGTGGAGCAGGCTCTTACCATGGCACTT**CAGAG**
 TCTGCAGTGT**CGACATCTGTGC**CACGGCTTCAATCGCAGTTTCTGTGGCCGAAACGGCACACTCTACG
 GACAGGGCGT**ACTT**CGCCAAGCGTGCCTCTCTGTGGTACTGGATCGTACTCGCTCCCAACGCAGA
 AGGCTACAAGGCAGTGT**TTG**GGCACAGGTGCTGACGGGTGACTATGGACAGGGTCCCGCGGTCTGAAG
 GCACCTCCTTTGAGGGTCTCCGGT**CAGGTGCT**CGCTACGACAGCGCTGTGGACTGCCTT**CAGCAG**CCCA
 GAATCTTTGTCATCTTT**CAGATAC**CCAAGCTTACC**GACTCATCTA**ATCACCTGCAAGAACATACTCC
 GGTACCCCTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001163576
Insert Size:	2883 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.
RefSeq:	<u>NM_001163576.1</u> , <u>NP_001157048.1</u>
RefSeq Size:	3411 bp
RefSeq ORF:	2883 bp
Locus ID:	671535
UniProt ID:	<u>Q8CIE4</u>
Cytogenetics:	15 D3
Gene Summary:	<p>ADP-ribosyltransferase that mediates mono-ADP-ribosylation of glutamate and aspartate residues on target proteins. In contrast to PARP1 and PARP2, it is not able to mediate poly-ADP-ribosylation. Catalyzes mono-ADP-ribosylation of GSK3B, leading to negatively regulate GSK3B kinase activity. Involved in translesion DNA synthesis in response to DNA damage via its interaction with PCNA.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>