

Product datasheet for **MC222860**

Parp10 (NM_001163575) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parp10 (NM_001163575) 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: >MC222860 representing NM_001163575
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGAGGTGGAGGCAGGGGAGCCTTGGAGCTCCGGGGACTGCCCCAGAAATACCAGATGAGCTCA
 TTAATCTGTACTTTGAAAACACCGTCGCTCGGGTGGAGGACTTCTATTGAGCTGGCAGAGACTTGGCTG
 TGGGGGTGTCCTCATCTTTCAAGATCCTGCAGATGCAAAGAGGGTCTTAGCCAGGCAGAGCACCAGCTA
 CATGGTGTCCGACTGAGCCTGAGGCCAGCCCCACCGCTGCCAGAACGTGTGCTTCTCCAACACCTGC
 CACCTGGCACTTACCTCTGAGTCTGGAGCAACATGTTCAAGCCTTGTGGGTGCTGCAGGACACCCCGT
 GCAGACTTGCCATGCCCTGGCCAGTCTCGGCAGGACTGTGCCCTGGTCCAGTTATCCACGCCCTTTCT
 GAGGCAGAGGTGAGTCCCTGGCAGAACAGGCCCGGAATCTGCCCTGAATGGAGCCACTGTGTCCTTGG
 CCTGGGTGCCAGACCCGAGCAGTACGTGTGGTGGACAGTGTCTCCTGTGGACCTGTTATTGTTGGA
 GCTCTACCTGGAATGAGCGTCGAGTGGTGGCGGACCCCTGGAGGGTCTGCGCAGCCTGCCTGGGCAG
 CTAGGCACTGTTATTTCTTTTCAAGAACGAGTGGTGAACGGGTGCTGAAGCAGAAACACTGGCTAC
 AGGGCATTGAGTTGAGCCTTGTCCCTCACTATGATGTCTTAGAGCCAGAACGCTCGCTGAGGGCGTCAG
 TGGCAGGGACCATTCAGTACTCAAGAATCTGGAGTATTGGTTCATGCGCTACAGGAACCTGGAGGACTG
 GCCGGGGCTCTGACCATGGCTGTGGGCTCTGGGAGGCACCAACAATTAGGAACCTTCTAAGGGCAG
 GTCCTGTAGGAGCTCCAGGACAAGCCCTGCCAGTTGACTCGGGATCAATTAGGATCCAGGGGAGTATGGG
 GTCTACAAGCCAGTCGATCCAGTAGAGAGCTCTACAGAGCTCCAGAGCAAGTAGGACCATGGCCTCA
 GACTCAGTGGGTGTTGAGGAGCAGGAGGGCTGGGGGAAGTTGCCACAGGGCAAGAGGGGCTAATGGGTC
 TAGTGGGACAGCCATGGAGTCTGTAGAGACTGGGCTGGAGAGCCCTGGGTATGGGGAGATGCAGAAGCA
 AGAGGGCTGGTGGAAATGGTGATGTCAAGTGGAAACAGGAGCTGTGCGCTACCTGCAGCTTTATTATGAG
 GACCTCTCGCCAGCCTAGAAGATGTTGCCCTTTCCCACTTGAAGGAACGGATGTGACTGGCTTTCGGC
 TGTGTGGAGCCAGGGCCCCCTGCCAGGCAGCCCAAGAGTTGCTTCAGAGTCTGCTGGGCAGCATTAGCTG
 TCACACGCTGAACATGAAGCACCCGGCAGTGCAGGTTCTGCTGGGTGTGGAGGGGCAGCACCTTCTT
 CACAGACTGGAGGCTCAGTTCAGTGTGTCTTCGGGACAGAACATCTGGCCAGCGCCACCCTGGACATAG
 ACCCTGAAAGGACAGATCCCACTGAGGCCCTCCAAGTCTCCATGGCCACATTACAGGCATCGATCAGGA
 GAGCTTGAGACTGGAGGAGCTCCGAGAGCTACTGGCTACCCTGGAGAGCCACATGGAGGGGAGGACAGG
 GTGCCCTCTGGAGATGGAGAAGGAGAACTGGAGGACCAGGAGAGACTGTTGTAGAGCAGCAGGAGGAAA
 TCCCCACACTTGAGGCTGAGGAGGAGCCTGTGGCCCTTAGCACCGGGGCACGTGGGCAGTTAGAAGAAGA
 AGCCACACTTCACTGGCTATCCACCGTCTTGGAGTCTCAAAGCCAGGTGGCAGATCAGCAGGAGGCT
 AATGCACTAAGGCGAGCCATGGCCCTTTCCCTGTTAGAAGCAGAAGAGGCCCTGGATGAGGACACTGGGG
 GCGAGGGCCAGCTGGTGGTGACACATCTTTGAGCAGGATGTGGATGAATTGAACAGGCCCTTATCCAA
 TGCTTTGGAGGCACACCTTCGGGAGGAGACAGTGAATCTCAAAGGGCGCATGCTACCCCGGAGCTGGGG
 GCTCGTCTGGAAGGTGTCATGATGTGAGTGTACCCTCCGTGGCGACCGAGTTGTCTCCGTGGCTTTG
 GGTCCAGCCTGCCCGCGCGCTCGCCACTTAGCTGCTGCTGTTGACCCCTGGGACCAGAATTTGAC
 CTTTCCTTTGGAGGCTTCAAAACCAACTTGTCTGAGCAGGGGCTGAAGGAACCCCTGGGCAGACTGGAG
 GCCCTGGAAGAGAATTCCAGGAGTTCCAAGATGTGGTGGCGGCCCTTTATAGCACCCCTGGATGCTGTCC
 ACGGCAGGATCCGCATTGTTGAGTAGAACGCGTGTACACCCATTGCTGCAGCAACAGTACCAGCTGCA
 CCGGGAGCGTTAATGCAGAGCTGCCAGCAACGCCAGTGGAGCAGGTCTCTACCATGGCACTTCAGAG
 TCTGCAGTGTGACATCTGTGCGCACGGCTTCAATCGCAGTTTCTGTGGCCGAAACGGCACACTCTACG
 GACAGGGCGTGTACTTCGCCAAGCGTGCCTCTCTGTCGGTACTGGATCGTACTCGCCTCCCAACGCAGA
 AGGCTACAAGGCAGTGTGTGGCACAGGTGCTGACGGGTGACTATGGACAGGGTTCCCGCGGTCTGAAG
 GCACCTCCTTTGAGGTCTCCGGTCAGGTGCTTCGCTACGACAGCGCTGTGGACTGCCTTCAGCAGCCCA
 GAATCTTTGTCATCTTTCAGGATACCAAGCTTACCAGCTCATCTAATCACCTGCAAGAACATACTCCC
 GGTACCCCTGA

AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001163575
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:	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_001163575.1, NP_001157047.1</u>
RefSeq Size:	3307 bp
RefSeq ORF:	2883 bp
Locus ID:	671535
UniProt ID:	<u>Q8CIE4</u>
Cytogenetics:	15 D3
Gene Summary:	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] Transcript Variant: This variant (1) represents the predominant transcript. Variants 1 and 2 encode the same protein.