

Product datasheet for **MG224613**

Parp12 (NM_172893) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parp12 (NM_172893) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Parp12
Synonyms:	9930021O16; AA409132; AA536654; ARTD12; PARP-12; Zc3hdc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG224613 representing NM_172893
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCCAGGCCGCGGTGGCAGTGGCAGAGGTGACCCAGCTGCTGTGCGCGCGGGGGCGCCTTGGAGT
TGGCGGAGCTGCGGCGCCGCTTGCGAACCAAGCCTGGGGACCGACGCGCTGGAGCGGCTGCTGCGGGACTG
CGGGCGCTTCGTGGTGGCCTCGCGGGCGGTCTGGCCGTGGGCGCGGGCCGGGAGGCCGCGGCGGCAGCC
TCGGAGCGCTTGGTGTGGCCGTGTCGTCGCTGCGTCTGTGCCGCGCGCATCAGGGCCCCAAGCCGGGT
GCACCGGGCTCTGCGCGCAGCTGCATCTCTGCAAGTTTCTCATCTACGGCAACTGCAAGTTCTGAAGAC
CGGAAGAAGTGTAGGAATGGTCAACTTGAAGACTGATCACAACCTGAGTGTGTTGAGGACACATGGT
GTTGACCACCTCACATATACTGAGCTTTGCCAAGCTTGTGTTTCTGAGTACACCTTCACTTTTCCAGATA
TATGCCTACACTACAACAAGGTGATGGACCTTCGGCTCTTGTCTTCCAAAAGCAGTGCATTAAGT
CCATATCTGCCAGTACTTCTACAGGGAGAGTGAAGTTTGGCACAAGCTGTAAGAGGTCCCATGAGTTC
ACTAAGTCTGAGAGTCTGGAGCAGTTGGAAAGTTGGGCTTAAGTTCTGACCTGGTGGAGCAGGCTACTCT
CTACTTACCGAATGCATATGACATCAAGAATAAGGGCTCAGCCCTCAGCAAAGTGTCTCCTTCTCCCGC
AGGTCCACAGGGGAGTTCTGAAAGAAAAGACAGTTCAGGTCTGTGTACCAGGCACTCCTAGCCAGGAG
GAGAGTGAACAGATTTGCTTGTACCATATTCGGAAGAGTTGTAGCTTCCAAGAAAAGTGCATCGAGTTC
ATTTTCATTTACCATATCGGTGGCAATCTTGGATGGAGGCAATGGAAGGATTTGGACAACATGGAGCT
TATTGAAGAAGCATATAGCAATCCAGTAAAGACAGGATTGTGTATACAGAGTCACTGCTGGCTTTCAC
TTTGATAATTTAGACTTTAATTCATGAAGTTTGGTAATACTCTGGCTCGCCGACTCTCCACAGCTTCTT
CAGTCACCAAACCCACATTTTCACTTACTACTGACTGGATTTGGTACTGGATGGATTTGGTTT
TTGGCAGGAATATGGACGACAAGGCTCAGGGCACCTGTGACCACCATCAGCAGCAGTACGTTGGAAGG
GCTTACTTGGCATTCTGTGCTCCAGGGCTGATGCCAGGCAGCCACCTTGAAGTTCCAGGCTGGAAAAC
ACAATATGAGTTACACTTCAAAGCTTTTCTGCAGAAAAACCTTGTGTATGGCACTATCAGAAAAGTTT
TCGCAGACCCAAGTATGTGTCTCCCGAGGATGTGCAGATGAAGCAGTCTGCAATACTAAGTTACACGGC
CCAAAGAGCATCCAGACTACTGGGACCCTGCAGCCCTGCCTGACCTGGGATTTAAGAAGATCACTCTGA
GTTCTTCTCAGAAGAGTATCAGAAGGTGTGGAACATCTCAACCGTACACTACCTTTCTACTTTGTTCA
GAAGATCGAGCGGATCCAGAACATGGGCCTGTGGGAAGTCTACCAGTGGCAAAAATGTCAGATGCAGAAG
CAAAATGGGGGAAGGAAGTAGACGAGAGGCAGCTGTTTCATGGTACTAGTGCCAACTTCGTGGATGCCA
TCTGCCAGCAGAACTTTGACTGGCGGGTCTGTGGTCTGCACGGCACATCCTATGGCAAAGGGAGCTACTT
TGCGAGAGATGCCGCCTATTCGACCACTACAGTAAATCCGACACACACTCTCACATGATGTTTCTGGCC
CGGGTGTGGTGGGAGATTTCTGTCAGGGGCGAGCACTTCTTCTGTCGGCCCTCCAGCCAAGGAAGGCCAGA
GCAATGCCTTCTATGACAGCTGCGTGAACAGCATGTCCGACCCAACCATCTTTGTAGTTTTTGAAGCA
CCAGGTCTACCCCGAGTACCTCATTCAATACTCTACCTCTCCAAGCCCCAGCTAGCCCCCTCATCTTT
GTTGCCCTAGGTAACCTTGTCTACTAGCCGCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG224613 representing NM_172893
 Red=Cloning site Green=Tags(s)

MAQA AVAVAEVTQLLCAAGGALELAELRRRLRTSLGTDALERLLRDCGRFVVASRAVVAVGAGREAAAA
 SERLVLAVSSLRLCRAHQGPKPGCTGLCAQLHLCKFLIYGNCKFLKTGKNCRNGHNLKTDHNL SVLRTHG
 VDHLTYTELQQLLQNDPSLLPDICLHYNKGDGPFPGSCSFQKQC IKLHICQYFLQGECKFGT SCKRSHEF
 TNSELEQLERLGLSSDLVSRLSTYRNA YDIKNKGSALSKVSPSPAGPQGSSEKRDSSGPVSPGTPSQE
 ESEQICLYHIRKSCSFQEKCHRVHFLPYRWQFLDGGKWKDLDNMELIEEAYSNP SKDRIVYTESAAGFH
 FDNLDFNSMKFGNTLARRLSTASSVTKPPHF ILTTDWIYWWMDEFGSWQ EYGRQSGHPVTTISSSDVER
 AYLAFCAPGADAQAATLKFQAGKHNYELHFKAFLQKNLVYGTIRKVCRRPKYVSPQDVQMKQSCNTKLHG
 PKSIPDYWDP AALPDLGFKITLSSSSEYQKVWNI FNRTL PFYFVQKIERIQNMGLWEVYQWQKCMQK
 QNGGKEVDERQLFHGTSANFVDAICQQNFDWRVCGLHGTSYGGKSYFARDAAYSHHYSKSDTHSHMMFLA
 RVLVGDFVRGSTSFVRPPAKEGQSNAFYDSCVNSMSDPTIFVVF EKHQVYPEYL IQYSTSSKPPASPSIF
 VALGNLFTSRQ

TRTRPLE - GFP Tag - V

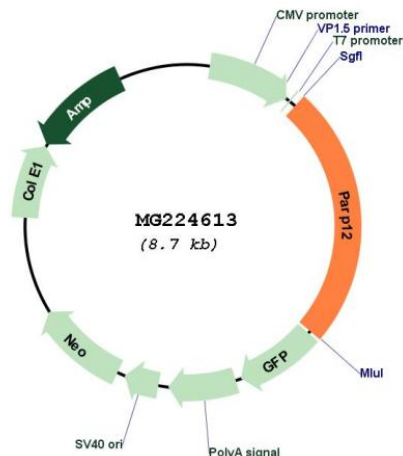
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_172893

ORF Size: 2133 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: [NM_172893.3](#), [NP_766481.2](#)

RefSeq Size: 3322 bp

RefSeq ORF: 2136 bp

Locus ID: 243771

UniProt ID: [Q8BZ20](#)

Cytogenetics: 6 B1

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