

## Product datasheet for **RC209224**

### PARP12 (NM\_022750) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PARP12 (NM_022750) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PARP12
Synonyms:	ARTD12; MST109; MSTP109; ZC3H1; ZC3HDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC209224 representing NM\_022750  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCAGGCCGGCGTCTGTCGGTGTGAGGTACCCAGGTGCTGTGCGCGGCCGGGGCGCCCTGGAGTTGC  
 CCGAGCTGCGGCCCGCTTGC GGATGGGCTT GAGCGCCGACGCGCTGGAGCGGCTGCTGCGGCAGCGTGG  
 GCGCTTCGTGGTGGCGGTGCGGGCGGGCGCGCAGCCGCGGCCCGGAGCGCGTGGTGTGGCCGCCTCG  
 CCGCTGCGCCTGTGTCGCGCGCACCCAGGGCTCCAAGCCGGGCTGCGTGGGGCTCTGCGCGCAGCTCCACC  
 TCTGCAGGTTTCATGGTCTACGGCGCTGCAAGTTCCTGAGAGCCGGAAGAAGTGTAGGAATAGTCACAG  
 CTTGACAACCGAACACAACCTGAGTGTGCTGAGAACTCATGGCGTTGACCACCTGAGCTATAATGAGCTA  
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 GACCCACGGCTCTTGTGCCTTTCAAAGCAGTGCATCAAGCTCCATATCTGCCAGTATTTTTTACAGGG  
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 CAGTTCAGGTTCTGTGTCCCAAACTCTTAGCCAGGAGGAGGGTGATCAGATCTGTTGTACCATATC  
 CGGAAAAGTTGTAGCTTTCAAGATAAGTGCCATAGAGTTCATTTCCATTTGCCGTATCGATGGCAATTCT  
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 AGAAAGGATCCTGTGCTCTGAGTCAGCCAGTACCTTTCACTCTCATTGTCTGAACTTTAACGCCATGACT  
 TACGGTGTACCCAGGCTCGCCGCTCTCCACGGCCTCCTGTACCAAACTCCACACTTCATCCTCA  
 CCACTGACTGGATTTGGTACTGGAGTGATGAGTTTGGTCTTGGCAGGAATATGGAAGACAGGGCACGGT  
 GCACCCTGTGACCACTGTACGAGTAGCGACGTGGAGAAGGCCTACCTGGCCTACTGTACACCGGGGTCT  
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 GTGTGTCCGACCCCTCCATCTTTGTGATCTTTGAGAAACACCAGGTCTACCCAGAGTATGTCATCCAGTA  
 CACCACCTCTCAAGCCCTCGGTACACCCTCCATCTGCTGGCCTTGGGCTCCTGTTTACGACGCCGA  
 CAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209224 representing NM\_022750  
 Red=Cloning site Green=Tags(s)

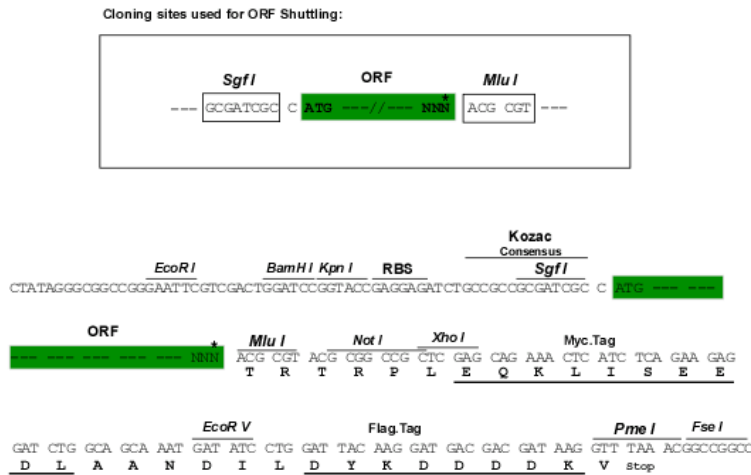
MAQAGVVGVEVTQVLC AAGGALELPELRRRLRMGLSADALERLLRQRGRFVAVRAGGAAAAPERVLAAS  
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 EKLGMSSDLVSR LPTIYRNAHD IKNKSSAPSRVPPLFVPQGT SERKDSSGVSVPNTLSQEEGDQICLYHI  
 RKSCSFQDKCHR VHFHLPYRWQFLDRGKWEDLDNMELIEEAYCNPKIERILCSESASTFHSHCLNFNAMT  
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 DGQAATLKFQAGKHNYELDFKAFVQKNLVYGT TTKKVCRRPKYVSPQDVTTMQTCNTKFP GPKSIPDYWDS  
 SALPDPGFQKITLSSSSEYQKVWNLFNRTL PFYFVQKIERVQNLALWEVYQWQKQMQKQNGGKAVDER  
 QLFHGTSAIFVDAICQQNFDWRVCGVHGTSY GKGSYFARDAAYSHHYSKSDTQTHMFLARLVGGEFVRG  
 NASFVRPPAKEGWSNAFYDSCVNSVSDPSIFVIF EKHQVPEYVIQYTTSSKPSVTPSILLALGSLFSSR  
 Q

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



\* The last codon before the Stop codon of the ORF

ACCN: NM\_022750

ORF Size: 2103 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](mailto: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\\_022750.2](#), [NP\\_073587.1](#)

**RefSeq Size:** 3805 bp

**RefSeq ORF:** 2106 bp

**Locus ID:** 64761

**UniProt ID:** [Q9H0J9](#)

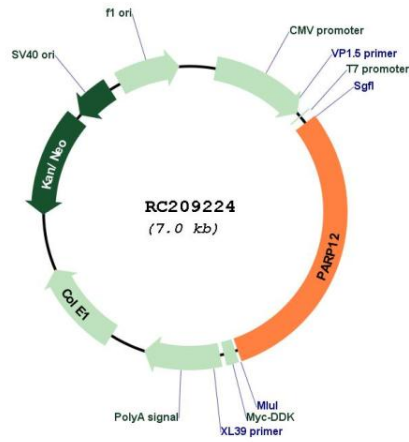
**Cytogenetics:** 7q34

**Domains:** zf-CCCH

**MW:** 78.9 kDa

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

Product images:



Circular map for RC209224