

## Product datasheet for MR211449

### Parp1 (NM\_007415) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Parp1 (NM_007415) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Parp1
Synonyms:	5830444G22Rik; Adprp; Adprt1; AI893648; ARTD1; C80510; PARP; parp-1; PPOL; sPARP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211449 representing NM_007415 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGGCGGAGGCCTCGGAGAGGCTTTATCGAGTGGAGTACGCGAAGAGCGGGCGGCCTCTTGCAAGAAAT  
GCAGCGAGAGTATCCCAAGGACTCCCTCCGCATGGCCATCATGGTGCAGTCACCCATGTTTCGATGGGAA  
AGTCCCACACTGGTACCATTCTCCTGCTTCTGGAAGGTGGGCCACTCCATCCGGCAGCCTGATGTTGAG  
GTGGATGGCTTCTGAGCTGCGCTGGGATGATCAGCAGAAGGTCAAGAAGACGGCCGAGGCTGGAGGCC  
TGGCAGGCAAAGGCCAGGATGGAAGTGGCGCAAGGCCGGAAGACATTGGGTGACTTTTTAGCGGAGTA  
CGCCAAGTCCAACAGGAGCATGTGCAAGGCTGCCTGGAGAAGATAGAGAAGGGCCAGATGCGCCTGTCC  
AAGAAGATGGTGGATCCAGAGAAGCCACAGCTGGGTATGATTGACCGCTGGTACCATCCAATTGCTTTG  
TCAAGAAGCGGGACGAGCTGGGCTTCCGGCCTGAGTACAGTGCCAGTCAGCTCAAGGGCTTTAGCCTCCT  
CTCTGCAGAAGACAAAGAAGCTCTGAAGAAGCAGCTCCCGCCATCAAGAATGAAGGAAAGAGAAAAGGT  
GACGAGGTGGATGGAACAGATGAAGTGGCAAAAAGAAATCTAAGAAAGGGAAGGACAAGGATAGTAGTA  
AGCTGGAGAAGGCCCTCAAGGCTCAGAAAGAGCTGATCTGGAATATCAAGACGAGCTGAAGAAAGCGTG  
TTCCACCAACGACCTGAAGGAGCTGCTCATCTTCAACCAGCAGCAGGTGCCGTGAGGAGATCAGCGATC  
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TCTTTAAGAGCGACGCTTATTACTGTAAGTGGGATGTCAGTGCCTGGACCAAGTGCATGGTCAAGACACA  
GAATCCTAGCCGAAAGGAATGGGTAACCTCAAAGGAATTCGAGAAATATCCTACCTCAAGAAGTTAAAG  
GTCAAAAACAGGACCGAATATTCCTCCAGAAAGCAGCGCCCCAGCACCCTGGCACTGCCCTCTCTG  
TCACCTCAGCACCCACAGCTGTGAACCTCTGCTCCAGCAGACAAGCCCTGTCTAACATGAAGATCCT  
GACTCTTGGGAAGCTCTCCAGAACAAAGGACGAAGCAAAAGCTGTGATTGAGAACTCGGAGGCAAGTTG  
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TAAAAGCTCCAAGAGCTGCTCTCGGCCACAGCTTGTCTCGTGGGGGCTGAGGTGAAGCAGAGCCT



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GGTGAAGTGGTGGCCCCAAGGGGAAGTCAGCTGCACCCTCCAAGAAGAGCAAGGGTGTGTCAAGGAGG  
 AAGGTGTCAACAAATCTGAAAAGAGGATGAAATTAACCTCTGAAGGGAGGAGCAGCCGTTGATCCTGACTC  
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 AGAGGACGCTGTTGAGCACTTCATGAAGCTGTATGAAGAGAAGACTGGGAATGCCTGGCACTCGAAAAAC  
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 AGGCTACATGTTGGAAAGGGATCTACTTTGCCGACATGGTGTCCAAAAGTGCAAACCTACTGCCACACA  
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 CCCTTCGGCCAGCATCACCTGGAGGTGTAGAGGTTCCACTGGGAACAGGGATCCCATCTGGTGTCAAC  
 GACACCTGCCTGCTGTATAATGAGTACATTGTCTACGACATTGCTCAGGTGAATCTCAAATACCTGCTGA  
 AACTCAAGTTCAATTTAAGACATCCCTGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR211449 representing NM\_007415  
 Red=Cloning site Green=Tags(s)

MAEASERLYRVEYAKSGRASCKKCSSEIPKDSLRLMAIMVQSPMFDGKVPWHYHFSFVKVGHHSIRQPDVE  
 VDGFSELRWDDQKVKKTAEGGVAGKGQDGSGGKAETLGDFLAEYAKSNRSMCKGCLKEIEKGQMRSL  
 KKMVDPEKPLQGMIDRWYHPTCFVKKRDELGFRPEYSASQLKGFSLLSAEDKEALKKQLPAIKNEGKRKG  
 DEVDGTDEVAKKKSKKGGDKDSSKLEKALKAQNELIWNIDELKACSTNDLKELLIFNQVQVPSGESAI  
 LDRVADGMAFGALLPCKECSGQLVFKSDAYYCTGDVTAWTKCMVKTQNP SRKEWVTPKEFREISYLKLLK  
 VKKQDRIFPPESSAPAPLALPLSVTSAPTAVNSSAPADKPLSNMKILTLGKLSQNKDEAKAVIEKLGKLL  
 TGSANKASLCISTKKEVEKMSKMEVKAANVRVVCEDFLQDVSASTKSLQELLSAHSLSSWGAEVKAEP  
 GEVVAPKGSAAPSKSKGAVKEEGVKNSEKRMKLTGKGAAVDPDSGLEHSAHVLEKGGKVF SATLGLV  
 DIVKGTNSYYKLQLEDDKESRYWIFRSWGRVGTVIGSNKLEQMP SKEDAVEHFMKLYEEKTGNAWHSKN  
 FTKYPKFFYPLEIDYGQDEEAVKKTVPKPGTKSKL PKPVQELVGMIFDVESMKKALVEYEIDLQKMP L GK  
 LSRRQIQAAYSILSEVQQAVSQGSSESQILDLSNRFYTLIPHDFGMKKPPLLNNADSVQAKVEMLDNLLD  
 IEVAYSLLRGGSDSSKDPIDVNYEKLKTDIKVVDRDSEEA E VIRKYVKNTHATTHNAYDLEVIDIFKIE  
 REGESQRYKPFRLHNRRLWHGSRTTNFAGILSQLRIAPPEAPVTGYMFGKGIYFADMVSKSANYCHT  
 SQGDPIGLILLGEVALGNMYELKHASHISKLPKGKHSVKGLGKTPDPSASITLEGVEVPLGTGIPSGVN  
 DTCLLYNEYIVYDIAQVNLKYLKLFNFKTS LW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9032\\_a05.zip](https://cdn.origene.com/chromatograms/mm9032_a05.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_007415

ORF Size: 3042 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\\_007415.3](#)

**RefSeq Size:** 3845 bp

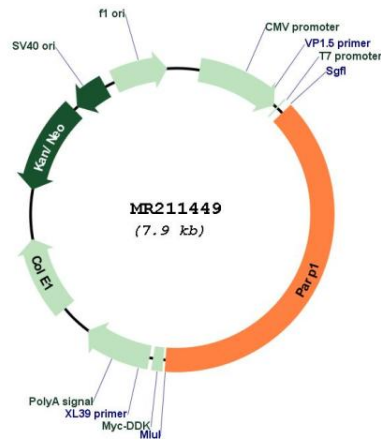
**RefSeq ORF:** 3045 bp

**Locus ID:** 11545

**Cytogenetics:** 1 84.44 cM

**MW:** 113.2 kDa

**Product images:**



Circular map for MR211449