OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG211449

Parp1 (NM_007415) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parp1 (NM_007415) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Parp1
Synonyms:	5830444G22Rik; Adprp; Adprt1; AI893648; ARTD1; C80510; PARP; parp-1; PPOL; sPARP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG211449 representing NM_007415
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGGCCTCGGAGAGGCTTTATCGAGTGGAGTACGCGAAGAGCGGGCGCGCCTCTTGCAAGAAAT
GCAGCGAGAGTATTCCCAAGGACTCCCTCCGCATGGCCATCATGGTGCAGTCACCCATGTTCGATGGGAA
AGTCCCACACTGGTACCACTTCTCCTGCTTCTGGAAGGTGGGCCACTCCATCCGGCAGCCTGATGTTGAG
GTGGATGGCTTCTCTGAGCTGCGCTGGGATGATCAGCAGAAGGTCAAGAAGACGGCCGAGGCTGGAGGCG
TGGCAGGCAAAGGCCAGGATGGAAGTGGCGGCAAGGCGGAGAAGACATTGGGTGACTTTTTAGCGGAGTA
CGCCAAGTCCAACAGGAGCATGTGCAAGGGCTGCCTGGAGAAGATAGAGAAGGGCCAGATGCGCCTGTCC
AAGAAGATGGTGGATCCAGAGAAGCCACAGCTGGGTATGATTGACCGCTGGTACCATCCAACTTGCTTTG
TCAAGAAGCGGGACGAGCTGGGCTTCCGGCCTGAGTACAGTGCCAGTCAGCTCAAGGGCTTTAGCCTCCT
CTCTGCAGAAGACAAAGAAGCTCTGAAGAAGCAGCTCCCGGCCATCAAGAATGAAGGAAAGAGAAAAGGT
GACGAGGTGGATGGAACAGATGAAGTGGCCAAAAAGAAATCTAAGAAAGGGAAGGACAAGGATAGTAGTA
AGCTGGAGAAGGCCCTCAAGGCTCAGAATGAGCTGATCTGGAATATCAAAGACGAGCTGAAGAAAGCGTG
TTCCACCAACGACCTGAAGGAGCTGCTCATCTTCAACCAGCAGCAGGTGCCGTCAGGAGAGTCAGCGATC
TTGGACAGAGTTGCTGACGGCATGGCGTTTGGGGCCCTTCTGCCCTGCAAGGAGTGTTCAGGCCAGCTGG
TCTTTAAGAGCGACGCTTATTACTGTACTGGGGATGTCACTGCCTGGACCAAGTGCATGGTCAAGACACA
GAATCCTAGCCGAAAGGAATGGGTAACTCCAAAGGAATTCCGAGAAATATCCTACCTCAAGAAGTTAAAG
GTCAAAAAACAGGACCGAATATTCCCTCCAGAAAGCAGCGCCCCAGCACCACTGGCACTGCCCCTCTCTG
TCACCTCAGCACCCACAGCTGTGAACTCCTCTGCTCCAGCAGACAAGCCCCTGTCTAACATGAAGATCCT
GACTCTTGGGAAGCTCTCCCAGAACAAGGACGAAGCAAAAGCTGTGATTGAGAAACTCGGAGGCAAGTTG
ACAGGATCTGCCAACAAGGCCTCCTTGTGTATCAGCACTAAAAAGGAGGTGGAGAAGATGAGTAAGAAGA
TGGAGGAAGTGAAAGCGGCCAACGTTCGAGTTGTGTGTGAGGACTTCCTCCAGGACGTGTCTGCCTCCAC
TAAAAGCCTCCAAGAGCTGCTCTCGGCCCACAGCTTGTCCTCGTGGGGGGCTGAGGTGAAGGCAGAGCCT

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

GGTGAAGTGGTGGCCCCCAAGGGGAAGTCAGCTGCACCCTCCAAGAAGAGCAAGGGTGCTGTCAAGGAGG
AAGGTGTCAACAAATCTGAAAAGAGGATGAAATTAACTCTGAAGGGAGGAGCAGCCGTTGATCCTGACTC
TGGTCTGGAACACTCTGCACACGTCCTGGAGAAAGGTGGGAAGGTGTTCAGCGCCACACTTGGCCTGGTG
GACATTGTGAAAGGGACGAACTCCTATTACAAACTGCAGCTTCTGGAGGACGACAAGGAGAGCAGGTACT
GGATCTTCCGGTCCTGGGGCCGGGTGGGCACAGTTATCGGCAGTAACAAACTTGAGCAGATGCCCTCCAA
AGAGGACGCTGTTGAGCACTTCATGAAGCTGTATGAAGAGAAGACTGGGAATGCCTGGCACTCGAAAAAC
TTCACAAAGTATCCCAAGAAGTTCTACCCTCTGGAGATTGACTATGGCCAGGACGAAGAGGCAGTAAAGA
AGCTGACGGTGAAGCCTGGCACCAAGTCGAAGCTGCCGAAGCCAGTGCAGGAGCTCGTGGGGATGATCTT
CGACGTGGAGAGCATGAAAAAGGCCTTGGTGGAGTACGAGATTGACCTCCAGAAGATGCCCTTGGGGAAG
CTGAGCAGAAGGCAGATCCAGGCCGCCTACTCTATCCTCAGCGAGGTCCAGCAGGCAGTGTCTCAAGGCA
GCAGTGAATCCCAGATCCTAGATCTCTCCAATCGCTTCTACACTCTGATCCCCCATGACTTTGGAATGAA
GAAGCCCCCACTCCTGAACAACGCAGACAGCGTGCAGGCCAAGGTGGAGATGCTAGACAACCTCCTGGAC
ATCGAGGTGGCCTATAGTCTTCTCAGGGGTGGCTCTGACGACAGCAGCAAGGATCCCATCGACGTCAACT
ACGAGAAACTCAAAACTGACATTAAGGTGGTTGACAGAGATTCTGAAGAGGCCGAGGTCATCAGGAAGTA
CGTGAAGAACACTCATGCTACCACGCACAACGCCTATGACCTGGAAGTGATCGATATCTTCAAGATAGAG
CGCGAGGGGGAGAGCCAGCGCTACAAGCCCTTCAGGCAGCTTCACAACCGGAGGCTGCTGTGGCACGGCT
CCAGGACCACCAACTTTGCTGGCATCCTGTCGCAGGGTCTGCGGATAGCCCCACCTGAAGCGCCTGTGAC
AGGCTACATGTTTGGGAAAGGGATCTACTTTGCCGACATGGTGTCCAAAAGTGCAAACTACTGCCACACA
TCTCAGGGAGACCCGATTGGCTTAATACTGCTGGGAGAGGTTGCCCTTGGAAACATGTATGAACTCAAGC
ATGCTTCACATATCAGCAAGTTACCCAAGGGCAAGCACAGTGTCAAAGGTTTGGGAAAAACCACCCCTGA
CCCTTCGGCCAGCATCACCCTGGAGGGTGTAGAGGTTCCACTGGGAACAGGGATCCCATCTGGTGTCAAC
GACACCTGCCTGCTGTATAATGAGTACATTGTCTACGACATTGCTCAGGTGAATCTCAAATACCTGCTGA
AACTCAAGTTCAATTTTAAGACATCCCTGTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211449 representing NM_007415
Red=Cloning site Green=Tags(s)

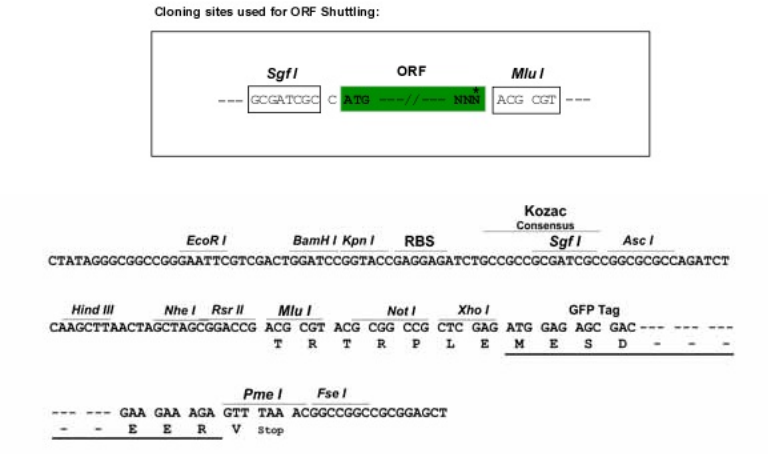
MAEASERLYRVEYAKSGRASCKKCSESIPKDSLRMAIMVQSPMFDGKVPHWYHFSCFWKVGHSIRQPDVE
VDGFSELRWDDQQKVKKTAEAGGVAGKGQDGSGGKAEKTLGDFLAEYAKSNRSMCKGCLEKIEKGQMRLS
KKMVDPEKPQLGMIDRWYHPTCFVKKRDELGFRPEYSASQLKGFSLLSAEDKEALKKQLPAIKNEGKRKG
DEVDGTDEVAKKKSKKGKDKDSSKLEKALKAQNELIWNIKDELKKACSTNDLKELLIFNQQQVPSGESAI
LDRVADGMAFGALLPCKECSGQLVFKSDAYYCTGDVTAWTKCMVKTQNPSRKEWVTPKEFREISYLKKLK
VKKQDRIFPPESSAPAPLALPLSVTSAPTAVNSSAPADKPLSNMKILTLGKLSQNKDEAKAVIEKLGGKL
TGSANKASLCISTKKEVEKMSKKMEEVKAANVRVVCEDFLQDVSASTKSLQELLSAHSLSSWGAEVKAEP
GEVVAPKGKSAAPSKKSKGAVKEEGVNKSEKRMKLTLKGGAAVDPDSGLEHSAHVLEKGGKVFSATLGLV
DIVKGTNSYYKLQLLEDDKESRYWIFRSWGRVGTVIGSNKLEQMPSKEDAVEHFMKLYEEKTGNAWHSKN
FTKYPKKFYPLEIDYGQDEEAVKKLTVKPGTKSKLPKPVQELVGMIFDVESMKKALVEYEIDLQKMPLGK
LSRRQIQAAYSILSEVQQAVSQGSSESQILDLSNRFYTLIPHDFGMKKPPLLNNADSVQAKVEMLDNLLD
IEVAYSLLRGGSDDSSKDPIDVNYEKLKTDIKVVDRDSEEAEVIRKYVKNTHATTHNAYDLEVIDIFKIE
REGESQRYKPFRQLHNRRLLWHGSRTTNFAGILSQGLRIAPPEAPVTGYMFGKGIYFADMVSKSANYCHT
SQGDPIGLILLGEVALGNMYELKHASHISKLPKGKHSVKGLGKTTPDPSASITLEGVEVPLGTGIPSGVN
DTCLLYNEYIVYDIAQVNLKYLLKLKFNFKTSLW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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 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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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

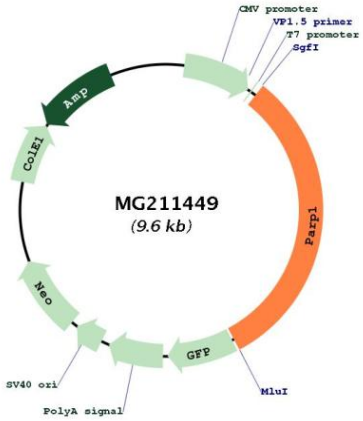
RefSeq Size: 3845 bp

RefSeq ORF: 3045 bp

Locus ID: 11545

Cytogenetics: 1 84.44 cM

Product images:



Circular map for MG211449

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US