

Product datasheet for RC219706

PARP10 (NM_032789) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARP10 (NM_032789) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PARP10
Synonyms:	ARTD10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219706 representing NM_032789 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTTGCAATGGCGGAGGCAGAGGCAGGGGTGGCAGTGGAGGTCCGTGGACTGCCCCCTGCCGTGCCCCG
ACGAGCTGCTCACTCTCTACTTTGAAAACCGCCGACGCTCTGGAGGGGGACCTGTGTTGAGCTGGCAGAG
ACTGGGCTGTGGGGCGTCCTCACCTTCAGAGAGCCTGCAGACGCCGAGAGGGTCTTGGCCAGGCAGAT
CATGAACATACATGGTCCCAAGCTGAGCCTGCGGCCAGTCCACCACGAGCCCTGCACGCCTGCTGCTCC
AAGGACTGCCCCCTGGCACCACGCCCCAGCGCTTGGAGCAGCATGTCCAGGCCTTGTGCGGGCCTCGGG
GCTCCCACTACAGCCTTGTGTGCTTGGCCAGCCCCCGGCCAGACCGGGCTCTGGTCCAGTTGCCCAAG
CCCCCTTCTGAGGCAGATGTCCGTGTCTGGAGGAGCAGGCCAGAACTCTGGGCCTGGAGGGGACCTTGG
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GAACACCAAGTGGAGGGGACCAACCGTCCACCCAGGGGCCAGGGCTACCAAGCATGCTCTCTGAGGACC
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CAGGCTTCCTGCCAGGCGGCTGAGGAGTTTCTGCGGAGCCTGCTGGGCAGCATTAGCTGCCATGTGTTGT
GCCTGGAGCACTCGGGCAGCGCCAGGTTTCTCTGGGCCAGAAAGGCAGCACCTTCTCCAGGGGCTGGA
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ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219706 representing NM_032789
Red=Cloning site Green=Tags(s)

MVMAEAEAGVAVEVRGLPPAVPDELLTLYFENRRRSGGGPVLSWQRLGCGGVLTFRPADAERVLQAQD
HELHGAQLSLRPAPPAPARLLQLPPTTPQRLQHVQALLRASGLPVQPCCALASPRPDRLVQLPK
PLSEADRVLEEQAQNLGLEGLVSLARVPQARAVRVVDGASVDLLELLELENERRSGGGPLEDLQRL
PGPLGTVASFQQWQVAERVLQEHRLQGSLSLPHYDVLEPEELAENTSGGDHPSTQGPRATKHALRT
GGLVTALQGAGVTMGSGEPPGQSGASLRTGPIVQGRGIMTTGSGQEPGQSGTSLRTGPMGSLGQAEQVS
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QASCQAAEEFLRSLLGSISCHVLCLEHSGSARFLLGPEGQHLLQGLEAQFQCVFGERLATATLDGLEE
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GGTDGKAQLVVHSAFEQDVEELDRALRAALEVHVQEETVGPWRRTLPAELRARLERCHGVSVLRGDCIT
LRGFGAHPARAARHLVALLAGPWDQSLAFPLAASGPTLAGQTLKGPWNNLERLAENTGEFQEVVRAFYDT
LDAARSSIRVVVRVERVSHPLLQQYELYRERLLQRCERRPVEQVLYHGTAPAVPDICAHGFNRSFCGRN
ATVYGKGVYFAKRASLSVQDRYSPPNADGHKAVFVARVLTGDYGGRRGLRAPPLRGPHVLLRYDSAVD
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

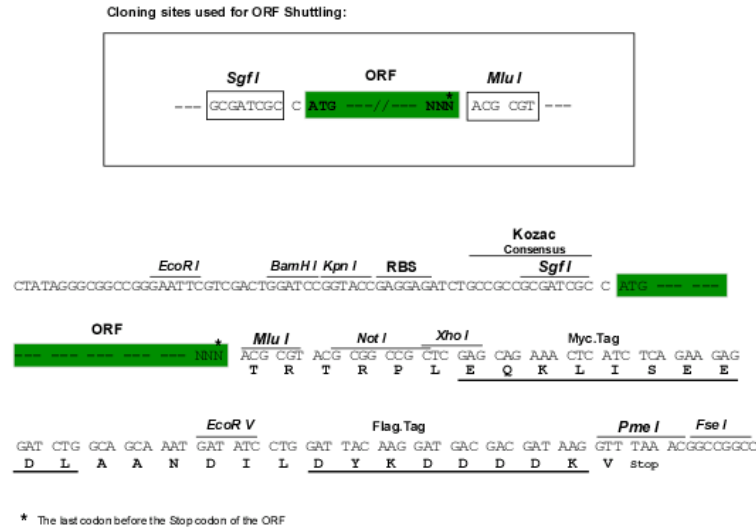
Chromatograms:

https://cdn.origene.com/chromatograms/ja3368_f06.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_032789

ORF Size: 3075 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032789.2](#)

RefSeq Size: 3525 bp

RefSeq ORF: 3078 bp

Locus ID: 84875

UniProt ID: [Q53GL7](#)

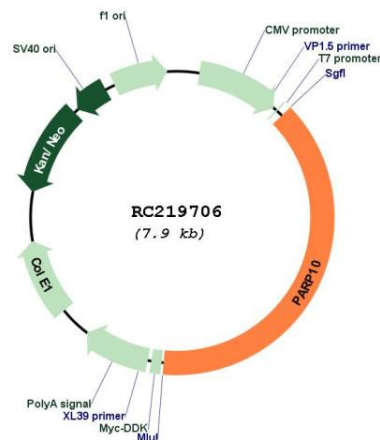
Cytogenetics: 8q24.3

Domains: UIM

MW: 109.9 kDa

Gene Summary: Poly(ADP-ribose) polymerases (PARPs), such as PARP10, regulate gene transcription by altering chromatin organization by adding ADP-ribose to histones. PARPs can also function as transcriptional cofactors (Yu et al., 2005 [PubMed 15674325]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC219706