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Product datasheet for RC218803

PARC (CUL9) (NM_015089) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARC (CUL9) (NM_015089) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PARC
Synonyms:	H7AP1; PARC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC218803 representing NM_015089
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC218803 representing NM_015089
Red=Cloning site Green=Tags(s)

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Restriction Sites: SgfI-MluI

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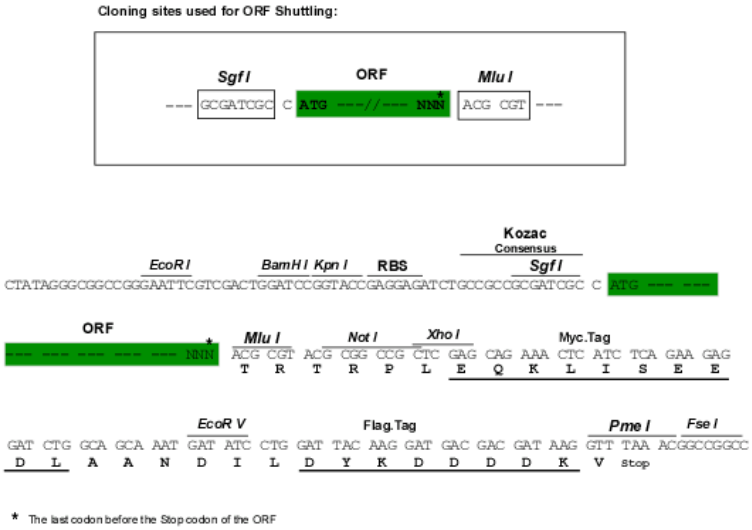
Cloning Scheme:



ACCN: NM_015089

ORF Size: 7551 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.

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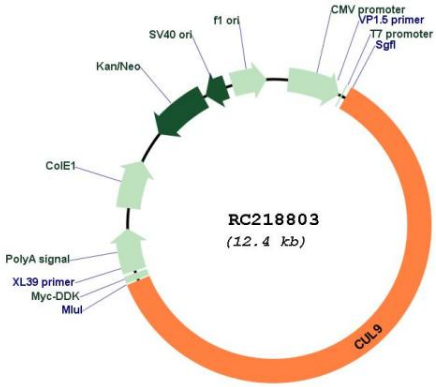
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_015089.4
RefSeq Size:	7771 bp
RefSeq ORF:	7554 bp
Locus ID:	23113
UniProt ID:	Q8IWT3
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome
MW:	281.1 kDa
Gene Summary:	Core component of a Cul9-RING ubiquitin-protein ligase complex, a complex that mediates ubiquitination and subsequent degradation of BIRC5 and is required to maintain microtubule dynamics and genome integrity. Acts downstream of the 3M complex, which inhibits CUL9 activity, leading to prevent ubiquitination of BIRC5 (PubMed:24793696). Cytoplasmic anchor protein in p53/TP53-associated protein complex. Regulates the subcellular localization of p53/TP53 and subsequent function (PubMed:12526791, PubMed:17332328). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC218803

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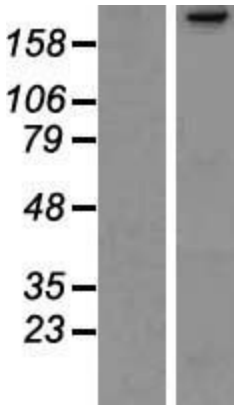

Western blot validation of overexpression lysate (Cat# [LY414799]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218803 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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