

Product datasheet for RC230603

PARD3 (NM_001184794) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARD3 (NM_001184794) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PARD3
Synonyms:	ASIP; Baz; PAR3; PAR3alpha; PARD-3; PARD3A; PPP1R118; SE2-5L16; SE2-5L1T1; SE2-5T2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC230603 representing NM_001184794 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGTGACCGTGTGCTTCGGACGGACCCGGGTGGTCGTGCCGTGCGGGGACGGCCACATGAAAGTTT
TCAGCCTCATCCAGCAGGCGGTGACCCGCTACCGGAAGGCCATCGCCAAGGATCCAACTACTGGATACA
GGTGCATCGTTGGAACATGGAGATGGAGGAATACTAGACCTTGATGACATTCTTTGTGATGTAGCAGAC
GATAAAGACAGACTGGTAGCAGTGTGGATGAGCAGGATCCACATCACGGAGGTGATGGCACCAGTGCCA
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GCCTTACCAAGCAACAAGTAAAATTGAGGTCACACCTTCAGTCCTTCGAGCAAATATGCCTTTCATGTT
CGACGCAGTAGTGACCCAGCTCTAATTGGCCTCTCCACTTCTGTGAGTATAGTAATTTTTCTCTGAAG
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TCCTAAAACCTGCGACAGGAAGAAAGATGAAAACACAGAACCTCCCGCGGATACTAGTAAGTGGTCT
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CACGGGTTTGGAGCATATACCAACTTTTCTCTGGATGATATGGTAAAGCTCGTAGAAGTCCCAACGAT
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AAAAACATTCTCCCCGGGGGGCGGCCATTAGGATGGCCGACTTAAGGCAGGAGACAGACTTATAGAGG
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AGATAAGGAGAAGGATAAAATGAAAGCCAAGAAGGGAATGCTGAAGGGCTTGGGAGACATGTTACGCCTT
GCCAACTGAAGCCCAGAAAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGAT AAGTTTAA

Protein Sequence:

>RC230603 representing NM_001184794
Red=Cloning site Green=Tags(s)

MKVTVCFGRTRVVPCGDGHMKVFSLIQQAVTRYRKAIKDPNYWIQVHRLHEDGGILDLDLDCDVAD
DKDRLVAVFDEQDPHHGGDTSASSTGTQSP EIFGSELGTNNVSAFQPYQATSEIEVTPSVLRANMPLHV
RRSSDPALIGLSTSVSDSNFSSEEPSRKNPTRWSTTAGFLKQNTAGSPKTCDRKKDENYRSLPRDTSNWS
NQFQRDNARSSLASHPMVGKWEKQE QDEDEGTEEDNSRVEPVGHADTGLEHIPNFSLDDMVKLVEVPND
GGPLGIHVVPFSARGGRTLGLLVKRLEKGGKAEHENLFRENDIVRINDGDLRNRREFEQAHMFRQAMRT
PIIWFHVPAANKEQYEQLSQSEKNYYSSRFSPDSQYIDNRSVNSAGLHTVQRAPRLNHPPEQIDSHSR
LPHSAHPSGKPPSAPASAPQNVFSTTVSSGYNTKKIGKRLNIQLKKGTEGLGFSITSRDVTIGGSAPIYV
KNILPRGAAIQDGR LKAGDRLIEVNGVDLVGKSQEEVVSLLRSTKMEGTVSLLVFRQEDAFHPRELKAED
EDIVLTPDGTREFLTFEVPLNDSGSAGLVSVKGNRSKENHADLGIFVKSIIINGGAASKDGRLRVNDQLI
AVNGESLLGKTNDAMETLRRSMSTEGNKRMIQLIVARRISKNELKSPGSPGPPELPIETALDDRERR
ISHSLYSIGIEGLDESPSRNAALSRIMGYQLSPTVNMPQDDTVIIEDDRLPVLPPHLSQSSSSSHDDVG
FVTADAGTWAKAAISDSADCSLSPDVPVLA FQREGFGRQIADETKLNTVDDQKAGSPSRDVGPSLGLKK
SSSLESQTAVAEVTLNGDIPFHRPRPRIIRGRGCNESFRAAIDKSYDKPAVDDDDGEMTELEEDTEESS
RSGRESVSTASDQPSHSLERQMNGNQEKGDKDRKKDKTGKEKKKDRDKEKDKMKAKKGM LKGLGDMFSL
AKLKPEKR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001184794

ORF Size: 2964 bp

OTI Disclaimer: 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).

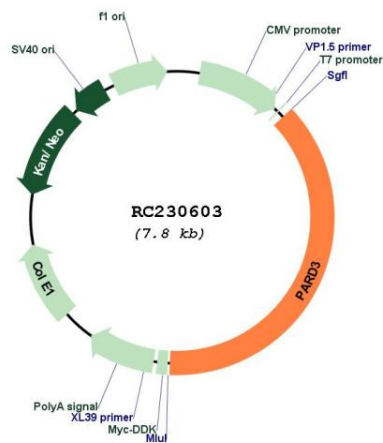
- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_001184794.1](#), [NP_001171723.1](#)

RefSeq ORF: 2967 bp

Locus ID: 56288
UniProt ID: [Q8TEW0](#)
Cytogenetics: 10p11.22-p11.21
Protein Pathways: Adherens junction, Chemokine signaling pathway, Endocytosis, Neuroactive ligand-receptor interaction, Tight junction
MW: 109 kDa
Gene Summary: This gene encodes a member of the PARD protein family. PARD family members interact with other PARD family members and other proteins; they affect asymmetrical cell division and direct polarized cell growth. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RC230603