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Product datasheet for RC230680

PARD3 (NM_001184791) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARD3 (NM_001184791) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PARD3
Synonyms:	ASIP; Baz; PAR3; PAR3alpha; PARD-3; PARD3A; PPP1R118; SE2-5L16; SE2-5LT1; SE2-5T2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC230680 representing NM_001184791 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAAGTGACCGTGTGCTTCGGACGGACCCGGGTGGTCGTGCCGTGCGGGGACGGCCACATGAAAGTTT TCAGCCTCATCCAGCAGGCGGTGACCCGCTACCGGAAGGCCATCGCCAAGGATCCAAACTACTGGATACA GGTGCATCGCTTGGAACATGGAGATGGAGGAATACTAGACCTTGATGACATTCTTTGTGATGTAGCAGAC GATAAAGACAGACTGGTAGCAGTGTTTGATGAGCAGGATCCACATCACGGAGGTGATGGCACCAGTGCCA GTTCCACGGGTACCCAGAGCCCAGAGATATTTGGTAGTGAGCTTGGCACCAACAATGTCTCAGCCTTTCA GCCTTACCAAGCAACAAGTGAAATTGAGGTCACACCTTCAGTCCTTCGAGCAAATATGCCTCTTCATGTT CGACGCAGTAGTGACCCAGCTCTAATTGGCCTCTCCACTTCTGTCAGTGATAGTAATTTTTCCTCTGAAG AGCCTTCAAGGAAAAATCCCACACGCTGGTCAACAACAGCTGGCTTCCTCAAGCAGAACACTGCTGGGAG TCCTAAAACCTGCGACAGGAAGGATGAGGATGGGACAGAAGAGGATAACAGTCGTGTTGAACCTGTTGGA CATGCTGACACGGGTTTGGAGCATATACCCAACTTTTCTCTGGATGATATGGTAAAGCTCGTAGAAGTCC CCAACGATGGAGGGCCTCTGGGAATCCATGTAGTGCCTTTCAGTGCTCGAGGCGGCAGAACCCTGGGGTT ATTAGTAAAACGATTGGAGAAAGGTGGTAAAGCTGAACATGAAAATCTTTTTCGTGAGAATGATTGCATT GTCAGGATTAATGATGGCGACCTTCGAAATAGAAGATTTGAACAAGCACAACATATGTTTCGCCAAGCCA TGCGTACACCCATCATTTGGTTCCATGTGGTTCCTGCAGCAAATAAAGAGCAGTATGAACAACTATCCCA AAGTGAGAAGAACAATTACTATTCAAGCCGTTTTAGCCCTGACAGCCAGTATATTGACAACAGGAGTGTG AACAGTGCAGGGCTTCACACGGTGCAGAGAGCACCCCGACTGAACCACCCGCCTGAGCAGATAGACTCTC ACTCAAGACTACCTCATAGCGCACACCCCTCGGGAAAACCACCATCCGCTCCAGCCTCGGCACCTCAGAA TGTATTTAGTACGACTGTAAGCAGTGGTTATAACACCAAAAAAATAGGCAAGAGGCTTAATATCCAGCTT AAGAAAGGTACAGAAGGTTTGGGATTCAGCATCACTTCCAGAGATGTAACAATAGGTGGCTCAGCTCCAA TCTATGTGAAAAACATTCTCCCCCGGGGGGCGGCCATTCAGGATGGCCGACTTAAGGCAGGAGACAGACT TATAGAGGTAAATGGAGTAGATTTAGTGGGCAAATCCCAAGAGGAAGTTGTTTCGCTGTTGAGAAGCACC AAGATGGAAGGAACTGTGAGCCTTCTGGTCTTTCGCCAGGAAGACGCCTTCCACCCAAGGGAACTGAAAG

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Protein Sequence:

>RC230680 representing NM_001184791
Red=Cloning site Green=Tags(s)

MKVTVCFGRTRVVVPCGDGHMKVFSLIQQAVTRYRKAIAKDPNYWIQVHRLEHGDGGILDLDDILCDVAD
DKDRLVAVFDEQDPHHGGDGTSASSTGTQSPEIFGSELGTNNVSAFQPYQATSEIEVTPSVLRANMPLHV
RRSSDPALIGLSTSVSDSNFSSEEPSRKNPTRWSTTAGFLKQNTAGSPKTCDRKDEDGTEEDNSRVEPVG
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NSAGLHTVQRAPRLNHPPEQIDSHSRLPHSAHPSGKPPSAPASAPQNVFSTTVSSGYNTKKIGKRLNIQL
KKGTEGLGFSITSRDVTIGGSAPIYVKNILPRGAAIQDGRLKAGDRLIEVNGVDLVGKSQEEVVSLLRST
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DDELMYGGVSSYEGSMALNARPQSPREGHMMDALYAQVKKPRNSKPSPVDSNRSTPSNHDRIQRLRQEFQ
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PSEGPSNYDSYKKVQDPSYAPPKGPFRQDVPPSPSQVARLNRLQTPEKGRPFYS

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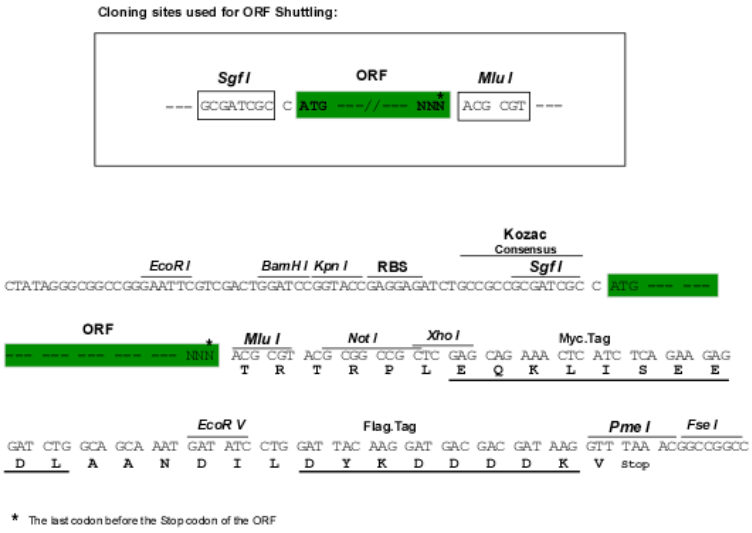
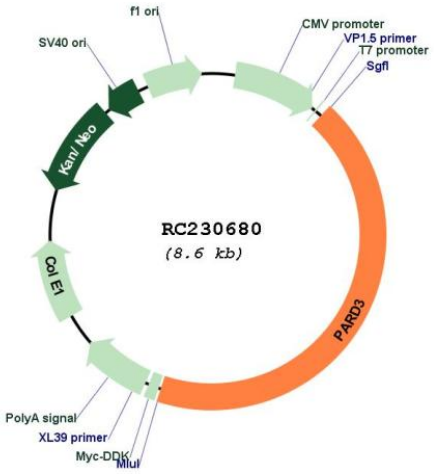
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001184791
ORF Size:	3732 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_001184791.1, NP_001171720.1
RefSeq ORF:	3735 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:	138.8 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]