

Product datasheet for **RR214991**

Pard6g (NM_001100973) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pard6g (NM_001100973) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pard6g
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214991 representing NM_001100973 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCGGAGTTTTTCATAAGTCTCAGACCCTACGTTTCTACGACTGCAGCGCAGTGAAGTCAAGAGCA
AGTTTGGGGCCGAGTTCGAAGTTCTCCTTGGACCGCCACAAGCCTGGGAAGTTTGAAGATTTCTACCA
GCTGGTGGTGACACCCACCACATCTCCAACCCGAAGTGACCATGGCTATGCTGATGTACACGGGGAC
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TCATCCAGAAGCGAGAGGAGGCAGACCATTACAGCTTCGGAGCAGGCACTCTGTGAGGAAGAAGAAGGT
GCTGGTACCCTGAGGGATGAGGGTCTGCGTGGCGTGCCAGCTCAACATCAGCATGCCGACGACTTC
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ACATGATGATAGCCAACAGCCACAACCTCATTGTCACTGTCAAGCCGCCAACCAAGGAACAATGTGGT
CCGCAGCAGCCGCGCTCCGGCAGCTCTGTCCAGTCCACAGACAGCACCACAGTACCACAGCCTGCCA
GGCACCCACGCCCTGCAGAACTCTGAGGAAATGGAGAGTGATGAGGAGGCCGACATCGTCATCGAGGGGG
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CAGCCTGGCTCACAGGCTACACAGAGGGGACGGGGGCTGCATAGCTCTGGGAGGGAGAGCAATGGCAGC
ATCCACAGATTTCTCAGCTCTCTGAAACAGACCCCGACACAGCCTGGTCTCCCCAGGGAGGGGTGG
AGGAACACGGACCGGCCATTACCCTC

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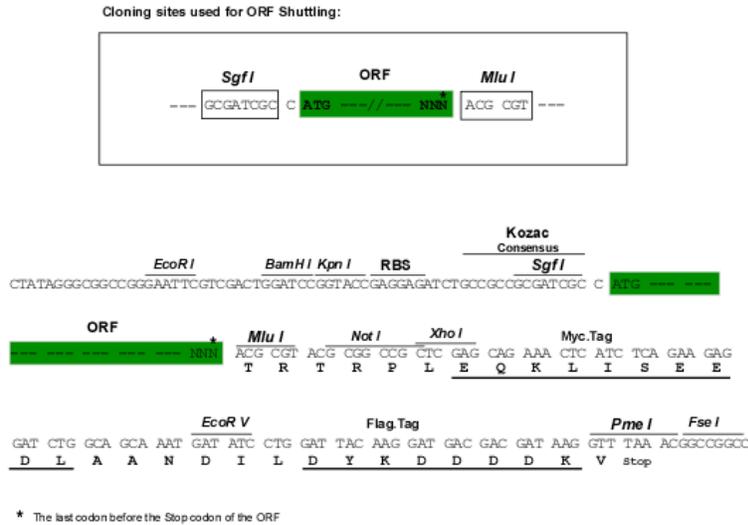
Protein Sequence: >RR214991 representing NM_001100973
 Red=Cloning site Green=Tags(s)

MNRSFHKSQLRFYDCSAVEVSKFGEAFRRFSLDRHKPGKFEDFYQLVVHTHHISNTEVTIGYADVHGD
 LLPINNDNFCKAVSSANPLLRVFIQKREEDHYSFGAGTLSRKKKVLVTLRDEGLRRAQLNISMPHDF
 RPVSSIIDVDILPETHRRVRLYRHGCEKPLGFYIRDGTSVRVTPHGLEKVPVIFISRMVPGGLAESTGLL
 AVNDEVLEVNGIEVAGKTLDQVTDMMIANSHNLIVTKPANQRNNVVRSSRASGSSVQSTDSTTSHHSLP
 GTHALQNSEEMSEDEADIVIEGALPHHHPKMQAVPPGSLSRANGASLAHRLHRGDGGLHSSGRESNGS
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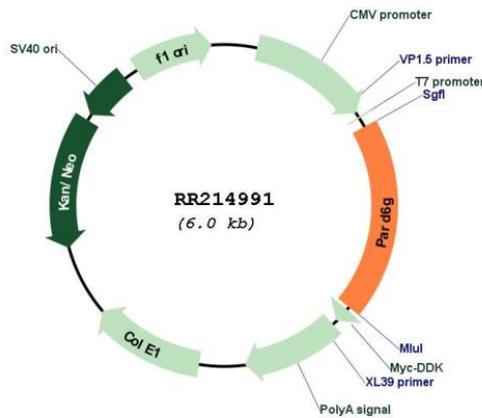
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100973

ORF Size:	1146 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:	<ol style="list-style-type: none">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_001100973.1 , NP_001094443.1
RefSeq Size:	1149 bp
RefSeq ORF:	1149 bp
Locus ID:	307237
Cytogenetics:	18q12.3
MW:	42.2 kDa