

Product datasheet for **RR201085**

Pard6b (NM_001108609) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pard6b (NM_001108609) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pard6b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201085 representing NM_001108609 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCGTGGCCACAGGCACGGGGT**GAGCAGCGGCTGCCTGGCACCATGGAGGTGAAGAGCAAGTTCC**
GAGCTGAGTTTCGGCGGTTTTCTCTGGAAAGATCCAAGCCGAAAGTTGAGGAGTTTTATGGACTGCT
GCAACACGTTTACAAGATCCCCAACGTTGACGTGCTAGTGGCTACGCAGACATCCACGGGACTTGCTG
CCCATAACAATGATGACAACACCACAAGCCGTTTCCACTGCCAACCCACTGCTCAGGGTCTTTATAC
AGAAGAAGGAAGAAGCCGACTACAGCGCTTTGGCACGGACACCCTGATCAGGAAGAAGAAGCTGCTGAG
CAACGTGCTGCGCCCGACAACCACAGGAAGAAGCCGCACATCGTCATCAGCATGCCGAGGACTTCCGG
CCCGTGTATCCATCATCGATGTGGACATCCTCCCGGAGACGCACCCGAGGGTCCGTCTGTACAAGTACG
GCACAGAGAAGCCCTGGGCTTCTACATCCGGGACGGCTCCAGCGTCCGTGTGACCCGCATGGTTTGA
GAAAGTTCCCGGATCTTATCTCCAGGCTCGTCCCGGGGGCCTGGCCAGAGCACGGGCTGCTGGCT
GTCAATGACGAAGTTCTAGAAGTAAATGGTATAGAAGTGTGAGGCAAGAGCCTGGACCAGGTGACTGACA
TGATGATAGCCAACAGCCGTAACCTCATCATCAGGTGCGGCCGCAACAGAGGAACAACGTGGTGCG
TAAACAGTCGGACTTCCGGCAGCTCCGGCCAGTCCACCGACAACAGCCTCCTGGGCTACCCACAGCAGGCA
GGGGCCAGCTTGAGCCAGAGGACCAGGACAGCGATGAGGACGACATTATCATTGAAGGCAGTGGTGAGC
CGCAGCAGATCCCGAAGGCCACCCCGAGGGCCTGAGCCTGGAGTCCCTGACGCAGATCGAGCTCAGCTT
CGAGTCGGGGCAGAAATGGGTTCTCCCTCTCCAGGACACGAGCCTGGTGGCTGTCCCGCAGCAGCCTGGAC
ACCGAGTCGAAAGCCGAGCTCCGGATCAGAACTCTTAGAGGAAGACGGAACAATCATAACGTTG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201085 representing NM_001108609
 Red=Cloning site Green=Tags(s)

MNRGHRHGVSSGCLGTMEVKSFGAEFRFSLERSKPGKFEFYGLLQHVHKIPNVDVLVGYADIHGDLL
 PINNDDNYHKAVSTANPLLRFVIQKKEEADYSAFGTDTLIRKKNVLSNLRPDNHRKKPHIVISMPQDFR
 PVSSIIDVDILPETHRRVRLKYGTEKPLGFYIRDGSSVRVTPHGLEKVPGIFISRLVPGGLAQSTGLLA
 VNDEVLVNGIEVSGKSLDQVTDMMIANSRNLIIIVRANQRNNVVRNSRTSGSSGQSTDNSLLGYPQQA
 GASLEPEDQSDDEDDIIIEGSGEPQQIPKATPEALSLESLTQIELSFESGQNGFSPLQDTSLVAVPSSLD
 TESERAPDQKLLLEEDGTIITL

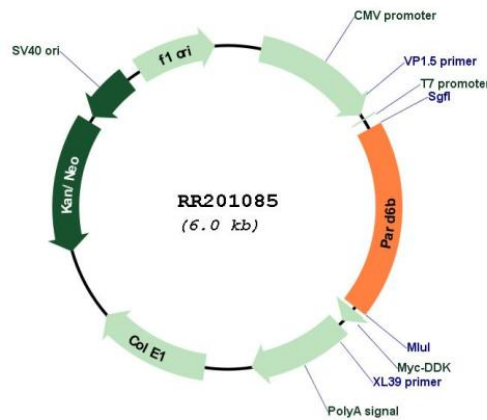
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108609

ORF Size:	1116 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_001108609.1 , NP_001102079.1
RefSeq Size:	3294 bp
RefSeq ORF:	1119 bp
Locus ID:	362279
Cytogenetics:	3q42
MW:	41 kDa