

Product datasheet for MR229199

Pard6a (NM_001286345) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pard6a (NM_001286345) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pard6a
Synonyms:	0710008C04Rik; 2610010A15Rik; Par-6; PAR-6A; Par6; PAR6alpha; Par6c; TAX40; Tip-40
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229199 representing NM_001286345 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGGCCGAGAGGACTCCGGCGCGCAGTCCCGATAGCATCGTCGAGGTGAAGAGCAAATTTGACG
CCGAGTTCGACGCTTTGCACTACCCCGCACTTCGGTGAGAGGCTTTCAGGAGTTCTCGGATTGCTGTG
TGTGGTACACCAGATCCCTGGCCTGGACGTCCTGCTTGGCTATACGGATGCTCACGCAGAAGGTGACTCG
AGTGGCCTGGCTTTTGCCTCCAACCTCTCTACAAAGGCGCAAGAAAGGGCTCCTGCTACGACCAGTGGCAC
CTCTGCGCACCAGGCCACCCTTGTAAATCAGCTTGCCCAAGATTTCCGCCAGGTGTCTTCAGTTATAGA
TGTGGACCTACTACCTGAGACCCACCGACGAGTGAGGCTGCACAAACATGGTTTCAGACCGTCCCCTGGGC
TTCTACATTCGAGATGGCATGAGTGTTCGCGTGGCTCCCAGGGCCTGGAGCGGGTTCCAGGTATCTTCA
TCTCCCGCTGGTACGTGGGGCCTGGCTGAGAGTACAGGGCTGCTGGCGGTGATGATGAGATCCTTGA
GGTCAACGGCATTGAGGTGGCCGGAAGACCTTGACCAAGTACGCGCATGATGGTCCCAACAGCCAC
AACCTCATCGTCACTGTCAAGCCTGCCAACCAGCGTAATAATGTGGTACGGGGGGCATCTGGCGCTGA
CAGGGCCTTCTCTGTAGGGCCTGGCCTACTGATCCTGACAGTGACGATGACAGCAGTACCTGGTGCAT
TGAGAATCGCCACCCTCCCTGTTCTAATGGCTGTCTCAGGGGCCCTGTGCTGGGACCTGCAACCTGGC
TGCTACTTCTGGTGTGGCAGCTCTCTGCCCTCCTTGATAGCAGAGCAAGCAATCTGGCTGGG
GGAATGGCATGCGAGGTGATGTTAGCGATTACGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229199 representing NM_001286345
 Red=Cloning site Green=Tags(s)

MARPQRTPARSPDSIVEVKSFKDAEFRFALPRTSVRGFQEFSRLLCVVHQIPGLDVLLGYTDAHAEGDS
 SGLAFASNSLQRRKKGLLLRPVAPLRTRPPLLIISLPQDFRQVSSVIDVDLLPETHRRVRLHKHGSDRPLG
 FYIRDGMSVRVAPQGLERVPGIFISRLVRGGLAESTGLLAVSDEILEVNGIEVAGKTLDQVTDMMVANSH
 NLIVTVKPANQRNNVVRGASGRLTGPSSVGPPTDPSDDDDSSDLVIENRHPPCSNGLSQGPLCWDLQPG
 CLLPGAGSSLP SLDSREQANSGWNGMRGDVSGFSL

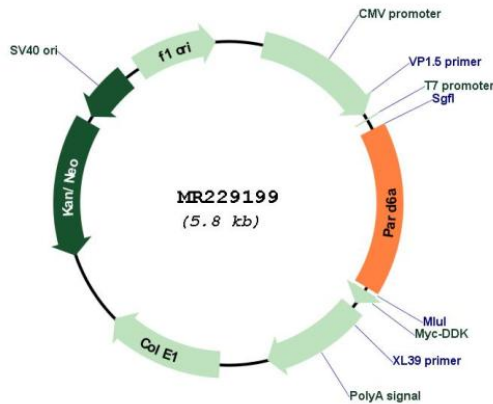
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286345

ORF Size: 948 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_001286345.1 , NP_001273274.1
RefSeq Size:	1194 bp
RefSeq ORF:	951 bp
Locus ID:	56513
Cytogenetics:	8 D3
MW:	34.5 kDa
Gene Summary:	Adapter protein involved in asymmetrical cell division and cell polarization processes. Probably involved in the formation of epithelial tight junctions. Association with PARD3 may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins (PubMed:15761148). Regulates centrosome organization and function. Essential for the centrosomal recruitment of key proteins that control centrosomal microtubule organization (By similarity).[UniProtKB/Swiss-Prot Function]