

# **Product datasheet for RC204843L3**

### OriGene Technologies, Inc.

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## PAR6 (PARD6A) (NM\_001037281) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: PAR6 (PARD6A) (NM 001037281) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: PAR6

Synonyms: PAR-6A; PAR6; PAR6alpha; PAR6C; TAX40; TIP-40

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

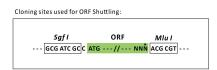
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC204843).

Sgfl-Mlul

Sequence:

Restriction Sites:

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_001037281

ORF Size: 1035 bp





### PAR6 (PARD6A) (NM\_001037281) Human Tagged Lenti ORF Clone - RC204843L3

**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:** <u>NM 001037281.1</u>

 RefSeq Size:
 1270 bp

 RefSeq ORF:
 1038 bp

 Locus ID:
 50855

 UniProt ID:
 Q9NPB6

Cytogenetics:

**Protein Families:** Druggable Genome, Transcription Factors

16q22.1

**Protein Pathways:** Endocytosis, Tight junction

**MW:** 37.3 kDa

**Gene Summary:** This gene is a member of the PAR6 family and encodes a protein with a PSD95/Discs-

large/ZO1 (PDZ) domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cell membrane protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex. The protein also has a role in the epithelial-to-mesenchymal transition (EMT) that characterizes the invasive phenotype associated with

metastatic carcinomas. Alternate transcriptional splice variants, encoding different isoforms,

have been characterized. [provided by RefSeq, Jul 2008]