

## Product datasheet for RC224141L4V

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## PD L2 (PDCD1LG2) (NM 025239) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

Product Name: PD L2 (PDCD1LG2) (NM\_025239) Human Tagged ORF Clone Lentiviral Particle

Symbol: PD L2

Synonyms: B7DC; bA574F11.2; Btdc; CD273; PD-L2; PDCD1L2; PDL2

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

**ACCN:** NM\_025239

ORF Size: 819 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC224141).

Sequence:

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.

**RefSeq:** NM 025239.2, NP 079515.1

 RefSeq Size:
 1518 bp

 RefSeq ORF:
 822 bp

 Locus ID:
 80380

 UniProt ID:
 Q9BQ51

 Cytogenetics:
 9p24.1

Domains: IG

**Protein Families:** Transmembrane





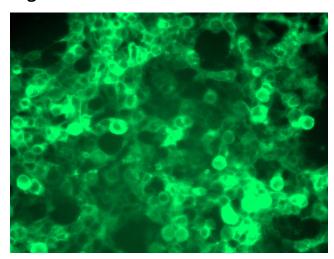
**Protein Pathways:** Cell adhesion molecules (CAMs)

MW: 30.8 kDa

**Gene Summary:** Involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a

PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production (By similarity).[UniProtKB/Swiss-Prot Function]

## **Product images:**



[RC224141L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC224141L4V particle to overexpress human PDCD1LG2-mGFP fusion protein.