

## Product datasheet for **RC210364L1V**

### PD1 (PDCD1) (NM\_005018) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PD1 (PDCD1) (NM_005018) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PD1
Synonyms:	CD279; hPD-1; hPD-I; hSLE1; PD-1; PD1; SLEB2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_005018
ORF Size:	864 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210364).
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. <a href="#">More info</a>
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:	<a href="#">NM_005018.1</a>
RefSeq Size:	2115 bp
RefSeq ORF:	867 bp
Locus ID:	5133
UniProt ID:	<a href="#">Q15116</a>
Cytogenetics:	2q37.3
Domains:	ig, IGv, IG
Protein Families:	Druggable Genome, Transmembrane



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**Protein Pathways:** Cell adhesion molecules (CAMs), T cell receptor signaling pathway

**MW:** 31.6 kDa

**Gene Summary:** Programmed cell death protein 1 (PDCD1) is an immune-inhibitory receptor expressed in activated T cells; it is involved in the regulation of T-cell functions, including those of effector CD8+ T cells. In addition, this protein can also promote the differentiation of CD4+ T cells into T regulatory cells. PDCD1 is expressed in many types of tumors including melanomas, and has demonstrated to play a role in anti-tumor immunity. Moreover, this protein has been shown to be involved in safeguarding against autoimmunity, however, it can also contribute to the inhibition of effective anti-tumor and anti-microbial immunity. [provided by RefSeq, Aug 2020]