

## Product datasheet for **RC218556L3V**

### PDZD6 (INTU) (NM\_015693) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PDZD6 (INTU) (NM_015693) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PDZD6
Synonyms:	CPLANE4; INT; OFD17; PDZD6; PDZK6; SRTD20
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_015693
ORF Size:	2826 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218556).
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_015693.2</a>
RefSeq Size:	3238 bp
RefSeq ORF:	2829 bp
Locus ID:	27152
UniProt ID:	<a href="#">Q9ULD6</a>
Cytogenetics:	4q28.1
MW:	105.5 kDa



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**Gene Summary:**

Plays a key role in ciliogenesis and embryonic development. Regulator of cilia formation by controlling the organization of the apical actin cytoskeleton and the positioning of the basal bodies at the apical cell surface, which in turn is essential for the normal orientation of elongating ciliary microtubules. Plays a key role in definition of cell polarity via its role in ciliogenesis but not via conversion extension. Has an indirect effect on hedgehog signaling (By similarity). Proposed to function as core component of the CPLANE (ciliogenesis and planar polarity effectors) complex involved in the recruitment of peripheral IFT-A proteins to basal bodies (PubMed:27158779).[UniProtKB/Swiss-Prot Function]