

Product datasheet for RC218556L4V

OriGene Technologies, Inc.

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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-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_015693 **ORF Size:** 2826 bp

ORF Nucleotide

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OTI Disclaimer:

Sequence:

The ORF insert of this clone is exactly the same as(RC218556).

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.

RefSeg: NM 015693.2

 RefSeq Size:
 3238 bp

 RefSeq ORF:
 2829 bp

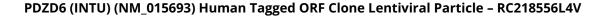
 Locus ID:
 27152

 UniProt ID:
 Q9ULD6

 Cytogenetics:
 4q28.1

MW: 105.5 kDa







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]