

Product datasheet for RC221048L3V

OriGene Technologies, Inc.

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PPP2R2D (NM_001003656) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: PPP2R2D (NM 001003656) Human Tagged ORF Clone Lentiviral Particle

Symbol:PPP2R2DSynonyms:MDS026

Mammalian Cell

Selection:

Puromycin

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

Tag: Myc-DDK

ACCN: NM_001003656

ORF Size: 678 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC221048).

OTI Disclaimer:

Sequence:

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 001003656.1, NP 001003656.1

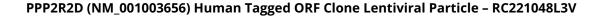
RefSeq Size: 2091 bp
RefSeq ORF: 680 bp
Locus ID: 55844
Cytogenetics: 10q26.3

Protein Families: Druggable Genome, Phosphatase

Protein Pathways: Tight junction

MW: 26.1 kDa







Gene Summary:

B regulatory subunit of protein phosphatase 2A (PP2A) that plays a key role in cell cycle by controlling mitosis entry and exit. The activity of PP2A complexes containing PPP2R2D (PR55-delta) fluctuate during the cell cycle: the activity is high in interphase and low in mitosis. During mitosis, activity of PP2A is inhibited via interaction with phosphorylated ENSA and ARPP19 inhibitors. Within the PP2A complexes, the B regulatory subunits modulate substrate selectivity and catalytic activity, and also may direct the localization of the catalytic enzyme to a particular subcellular compartment (By similarity).[UniProtKB/Swiss-Prot Function]