

Product datasheet for RC202442L3V

OriGene Technologies, Inc.

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CDC45L (CDC45) (NM 003504) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: CDC45L (CDC45) (NM_003504) Human Tagged ORF Clone Lentiviral Particle

Symbol:

CDC45L; CDC45L2; MGORS7; PORC-PI-1 Synonyms:

Mammalian Cell

Selection:

Puromycin

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

Tag: Myc-DDK NM 003504 ACCN: **ORF Size:** 1698 bp

ORF Nucleotide

Sequence:

The ORF insert of this clone is exactly the same as(RC202442).

The molecular sequence of this clone aligns with the gene accession number as a point of OTI Disclaimer:

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.

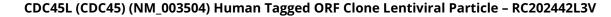
RefSeq: NM 003504.3

RefSeq Size: 1998 bp RefSeq ORF: 1701 bp Locus ID: 8318 **UniProt ID:** 075419 22q11.21 Cytogenetics:

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Cell cycle





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MW: 65.6 kDa

Gene Summary:

The protein encoded by this gene was identified by its strong similarity with Saccharomyces cerevisiae Cdc45, an essential protein required to the initiation of DNA replication. Cdc45 is a member of the highly conserved multiprotein complex including Cdc6/Cdc18, the minichromosome maintenance proteins (MCMs) and DNA polymerase, which is important for early steps of DNA replication in eukaryotes. This protein has been shown to interact with MCM7 and DNA polymerase alpha. Studies of the similar gene in Xenopus suggested that this protein play a pivotal role in the loading of DNA polymerase alpha onto chromatin. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]