

Product datasheet for RC218245L3V

OriGene Technologies, Inc.

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ORC3L (ORC3) (NM_012381) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: ORC3L (ORC3) (NM_012381) Human Tagged ORF Clone Lentiviral Particle

Symbol: ORC3L

Synonyms: LAT; LATHEO; ORC3L

Mammalian Cell

Selection:

Puromycin

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

Tag: Myc-DDK
ACCN: NM 012381

ORF Size: 2133 bp

ORF Nucleotide

Sequence:

The ORF insert of this clone is exactly the same as (RC218245).

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. 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: <u>NM 012381.2</u>

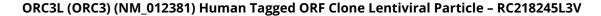
RefSeq Size: 2586 bp
RefSeq ORF: 2136 bp
Locus ID: 23595
UniProt ID: Q9UBD5

Cytogenetics: 6q15

Protein Pathways: Cell cycle

MW: 82.3 kDa







Gene Summary:

The origin recognition complex (ORC) is a highly conserved six subunits protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is a subunit of the ORC complex. Studies of a similar gene in Drosophila suggested a possible role of this protein in neuronal proliferation and olfactory memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene. [provided by RefSeq, Jul 2008]