

Product datasheet for **RC224495L4V**

ORC5L (ORC5) (NM_181747) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ORC5L (ORC5) (NM_181747) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ORC5
Synonyms:	ORC5L; ORC5P; ORC5T; PPP1R117
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_181747
ORF Size:	972 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224495).
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:	NM_181747.3 , NP_859531.1
RefSeq Size:	1334 bp
RefSeq ORF:	975 bp
Locus ID:	5001
UniProt ID:	O43913
Cytogenetics:	7q22.1-q22.2
Protein Pathways:	Cell cycle
MW:	37.4 kDa



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Gene Summary:

The origin recognition complex (ORC) is a highly conserved six subunit 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. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Oct 2010]