

Product datasheet for **MR210227L3V**

Orc3 (NM_015824) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Orc3
Synonyms:	Orc3l
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_015824
ORF Size:	2145 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR210227).

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_015824.4 , NP_056639.3
RefSeq Size:	6313 bp
RefSeq ORF:	2148 bp
Locus ID:	50793
UniProt ID:	Q9JK30
Cytogenetics:	4 A5



Gene Summary:

Component of the origin recognition complex (ORC) that binds origins of replication. DNA-binding is ATP-dependent. The specific DNA sequences that define origins of replication have not been identified yet. ORC is required to assemble the pre-replication complex necessary to initiate DNA replication (By similarity). Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3 (By similarity).[UniProtKB/Swiss-Prot Function]