

## Product datasheet for **MR210350L4V**

### **Mcm5 (NM\_008566) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Mcm5 (NM_008566) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mcm5
Synonyms:	AA617332; AI324988; AL033333; Cdc46; Mcmd5; P1-CDC46
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008566
ORF Size:	2205 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210350).
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. <a href="#">More info</a>
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:	<a href="#">NM_008566.2</a> , <a href="#">NP_032592.2</a>
RefSeq Size:	3422 bp
RefSeq ORF:	2205 bp
Locus ID:	17218
UniProt ID:	<a href="#">P49718</a>
Cytogenetics:	8 C1



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**Gene Summary:**

The protein encoded by this gene is a member of the oligameric minichromosome maintenance protein complex. During DNA replication, the complex loads onto chromatin in early G1 and is converted into an active replicative helicase during S phase. It functions to limit DNA synthesis to once per cell cycle. During embryogenesis, the encoded protein is negatively regulated through expression of paired box protein Pax 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]