

Product datasheet for **RC201668L4V**

MCM5 (NM_006739) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MCM5 (NM_006739) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MCM5
Synonyms:	CDC46; MGORS8; P1-CDC46
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006739
ORF Size:	2202 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201668).
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_006739.2
RefSeq Size:	2568 bp
RefSeq ORF:	2205 bp
Locus ID:	4174
UniProt ID:	P33992
Cytogenetics:	22q12.3
Domains:	MCM
Protein Families:	Stem cell - Pluripotency, Transcription Factors



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Protein Pathways: Cell cycle, DNA replication

MW: 82.3 kDa

Gene Summary: The protein encoded by this gene is structurally very similar to the CDC46 protein from *S. cerevisiae*, a protein involved in the initiation of DNA replication. The encoded protein is a member of the MCM family of chromatin-binding proteins and can interact with at least two other members of this family. The encoded protein is upregulated in the transition from the G0 to G1/S phase of the cell cycle and may actively participate in cell cycle regulation. [provided by RefSeq, Jul 2008]