

Product datasheet for RC200208L3

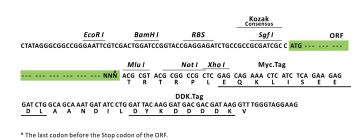
MCM3 (NM_002388) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	MCM3 (NM_002388) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	MCM3
Synonyms:	HCC5; P1-MCM3; P1.h; RLFB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200208).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf I ORF MIU I GCG ATC GC C ATG // NNN ACG CGT]



ACCN: ORF Size: NM_002388 2424 bp



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of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.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 infoVTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.OrnGonents:The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).econstitution Method:1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.efSeqMM. 002388.3efSeq ORF:2272 Ppocus ID:4172IniProt ID:P5205yogenetics:612.2onto ID:041.2out ID:041.2out ID:052.05yogenetics:MCM, AAA <tr< th=""><th colspan="2">Service MCM3 (NM_002388) Human Tagged Lenti ORF Clone – RC200208L3</th></tr<>	Service MCM3 (NM_002388) Human Tagged Lenti ORF Clone – RC200208L3	
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	Domains:	MCM, AAA
rotein Pathways: Cell cycle, DNA replication	Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
	Protein Pathways:	Cell cycle, DNA replication

MW:

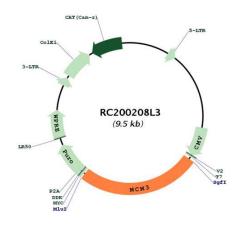
91 kDa

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Scheme MCM3 (NM_002388) Human Tagged Lenti ORF Clone – RC200208L3

Gene Summary:The protein encoded by this gene is one of the highly conserved mini-chromosome
maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome
replication. The hexameric protein complex formed by MCM proteins is a key component of
the pre-replication complex (pre_RC) and may be involved in the formation of replication
forks and in the recruitment of other DNA replication related proteins. This protein is a
subunit of the protein complex that consists of MCM2-7. It has been shown to interact
directly with MCM5/CDC46. This protein also interacts with and is acetylated by MCM3AP, a
chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation
of DNA replication and cell cycle progression. Several transcript variants encoding different
isoforms have been found for this gene. [provided by RefSeq, Oct 2018]

Product images:



Circular map for RC200208L3

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