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Product datasheet for MR215631L3V

Mcm3 (NM_008563) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mcm3 (NM_008563) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mcm3
Synonyms:	AL033361; C80350; Mcmd; P1; P1-MCM3; p1.m
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_008563
ORF Size:	2436 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR215631).
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_008563.2
RefSeq Size:	2886 bp
RefSeq ORF:	2439 bp
Locus ID:	17215
UniProt ID:	P25206
Cytogenetics:	1 A4

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Gene Summary: Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for DNA replication and cell proliferation.[UniProtKB/Swiss-Prot Function]