

Product datasheet for **MR200685L4V**

Cdk2ap2 (NM_026373) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cdk2ap2 (NM_026373) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cdk2ap2
Synonyms:	5830466O21Rik; D19Ertd144e; Doc-1r
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_026373
ORF Size:	384 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200685).
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_026373.1
RefSeq Size:	911 bp
RefSeq ORF:	384 bp
Locus ID:	52004
UniProt ID:	Q9CPY4
Cytogenetics:	19 A



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Gene Summary:

Plays a role in regulating the self-renewal of embryonic stem cells (ESCs) and in maintaining cell survival during terminal differentiation of ESCs (PubMed:22548356). Regulates microtubule organization of metaphase II oocytes (PubMed:12944431). Inhibits cell cycle G1/S phase transition by repressing CDK2 expression and activation; represses CDK2 activation by inhibiting its interaction with cyclin E and A (By similarity).[UniProtKB/Swiss-Prot Function]