

Product datasheet for **MR217306L4V**

Cdca2 (NM_001110162) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cdca2 (NM_001110162) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cdca2
Synonyms:	2610311M19Rik; AI586158
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001110162
ORF Size:	2946 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR217306).
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_001110162.1 , NP_001103632.1
RefSeq Size:	3865 bp
RefSeq ORF:	2949 bp
Locus ID:	108912
UniProt ID:	Q14B71
Cytogenetics:	14 D1



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Gene Summary:

Regulator of chromosome structure during mitosis required for condensin-depleted chromosomes to retain their compact architecture through anaphase. Acts by mediating the recruitment of phosphatase PP1-gamma subunit (PPP1CC) to chromatin at anaphase and into the following interphase. At anaphase onset, its association with chromatin targets a pool of PPP1CC to dephosphorylate substrates (By similarity).[UniProtKB/Swiss-Prot Function]