

Product datasheet for **MR205221L4V**

Cdk20 (NM_053180) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cdk20 (NM_053180) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cdk20
Synonyms:	4932702G04Rik; AU019450; AW558027; Ccrk; CDCH; p42; PNQLARE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_053180
ORF Size:	1041 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205221).
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_053180.2 , NP_444410.1
RefSeq Size:	1854 bp
RefSeq ORF:	1041 bp
Locus ID:	105278
UniProt ID:	Q9JHU3
Cytogenetics:	13 B3



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Gene Summary:

Involved in cell growth. Activates CDK2, a kinase involved in the control of the cell cycle, by phosphorylating residue 'Thr-160' (By similarity). Required for high-level Shh responses in the developing neural tube. Together with TBC1D32, controls the structure of the primary cilium by coordinating assembly of the ciliary membrane and axoneme, allowing GLI2 to be properly activated in response to SHH signaling.[UniProtKB/Swiss-Prot Function]