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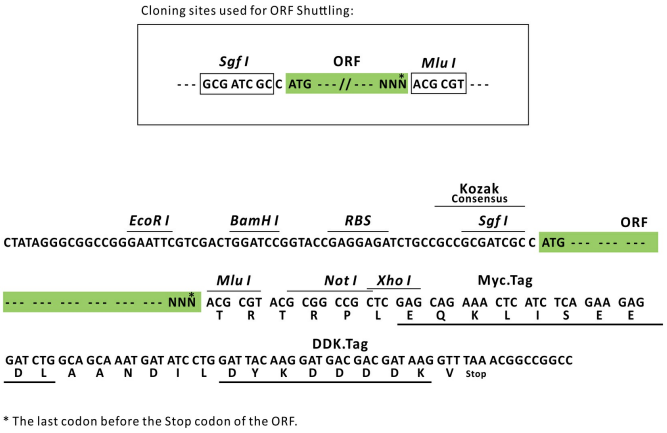
Product datasheet for RC200496L1

CDC25A (NM_001789) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC25A (NM_001789) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDC25A
Synonyms:	CDC25A2
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
Cell Selection:	None
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200496).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

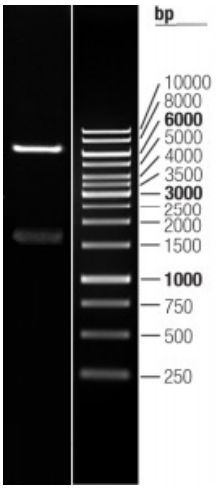


ACCN:	NM_001789
ORF Size:	1572 bp

View online »

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts 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 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_001789.2, NP_001780.2
RefSeq Size:	3717 bp
RefSeq ORF:	1575 bp
Locus ID:	993
Cytogenetics:	3p21.31
Domains:	RHOD
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Cell cycle, Progesterone-mediated oocyte maturation
MW:	59.1 kDa
Gene Summary:	CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for progression from G1 to the S phase of the cell cycle. It activates the cyclin-dependent kinase CDC2 by removing two phosphate groups. CDC25A is specifically degraded in response to DNA damage, which prevents cells with chromosomal abnormalities from progressing through cell division. CDC25A is an oncogene, although its exact role in oncogenesis has not been demonstrated. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Double digestion of RC200496L1 using SgfI and MluI