

Product datasheet for RC214607L2

CDK3 (NM_001258) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids					
Product Name:	CDK3 (NM_001258) Human Tagged Lenti ORF Clone					
Tag:	mGFP					
Symbol:	CDK3					
Mammalian Cell Selection:	None					
Vector:	pLenti-C-mGFP (PS100071)					
E. coli Selection:	Chloramphenicol (34 ug/mL)					
ORF Nucleotide Sequence:	The ORF insert	t of th	is clone	is exact	ly the sam	ne as(RC214607).
Restriction Sites:	Sgfl-Mlul					
Cloning Scheme:		Cloning sit	es used for ORF Shi	uttling: ORF	Mlul	
		[GCG ATC GCC ATG	// NNŇ		
		EcoR I	BamH I	RBS	Kozak ^{Consensus} Sgf I	ORF

 $\begin{array}{c} \text{CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGGAGACGCCGGGATCGCC C ATG \cdots \cdots \cdots \\ \hline Mlu l & Not l & Xho l & \text{mGFP Tag} \\ \hline \textbf{MGFP Tag} & \textbf{MGFP Tag} \\ \hline \textbf{ACG CGT ACG CGG CGG CGG CGC GAG ATG AGC GGG GGC \cdots \cdots \cdots \\ \hline \textbf{T} & \textbf{R} & \textbf{P} & \textbf{L} & \textbf{E} & \textbf{M} & \textbf{S} & \textbf{G} & \textbf{G} & \cdots & \cdots \\ \hline \textbf{Pme l} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} &$

* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM_001258 915 bp

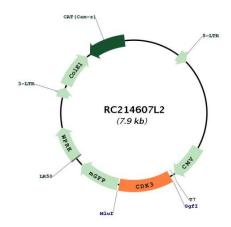


This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

ORIGENE CDK3 (1	NM_001258) Human Tagged Lenti ORF Clone – RC214607L2
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 001258.1, NP 001249.1</u>
RefSeq Size:	1161 bp
RefSeq ORF:	918 bp
Locus ID:	1018
UniProt ID:	<u>Q00526</u>
Cytogenetics:	17q25.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	34.9 kDa
Gene Summary:	This gene encodes a member of the cyclin-dependent protein kinase family. The protein promotes entry into S phase, in part by activating members of the E2F family of transcription factors. The protein also associates with cyclin C and phosphorylates the retinoblastoma 1 protein to promote exit from G0. [provided by RefSeq, Jul 2008]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Product images:



Circular map for RC214607L2

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US