

Product datasheet for **RC238257**

CDC2L6 (CDK19) (NM_001300963) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC2L6 (CDK19) (NM_001300963) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDK19
Synonyms:	bA346C16.3; CDC2L6; CDK11; DEE87; EIEE87
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238257 representing NM_001300963 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCTTGTAGAGAGATTGCACTTTTGGCAGAATTGAAGCACCTAATGTGATTGCATTGCAGAAGG
TGTTCCCTTCTCACAGTGACAGGAAGGTATGGCTGCTGTTTGATTATGCAGAGCATGACTTGTGGC
TATTAAGTTTACCGTGCATCAAAGCAAATAAAAGCCCATGCAGTTGCCAAGATCTATGGTTAAATCC
TTACTTTACCAGATTCTTGATGGTATCCATTACCTCCATGCAAATTTGGGTGCTTACAGAGACTTGA
AAC CAGCAAATATCCTAGTAATGGGAGAAGGTCCTGAGAGGGGGAGAGTCAAATAGCTGACATGGG
TTTTGC CAGATTATTCAATTCTCCTCTAAAGCCACTAGCAGATTTGGATCCAGTAGTTGTGACATTTT
GGTATCGG GCTCCAGAACTTTTGGTTGGTGAAGGCATTATACAAAGGCCATTGATATATGGGCAATAG
GTTGTATAT TTGCTGAATTGTTGACTTCGGAACCTATTTTCACTGTCGTCAGGAAGATATAAAAA
CAAGCAATCCCTT TCATCATGATCAACTGGATCGGATATTTAGTGTATGGGTTTCTGCAGATAA
AGACTGGGAAGATATT AGAAAGATGCCAGAATATCCCACACTTCAAAAAGACTTTAGAAGAACA
ACGTATGCCAACAGTAGCCTCA TAAAGTACATGGAGAAACACAAGGTCAAGCCTGACAGCAAAG
TGTCTCTTGC TTAAGAACTCCTGAC CATGGATCCAACCAAGAGAATTACCTCGGAGCAAGCT
CTGCAGGATCCCTATTTTCAGGAGGCCCTTTG CCAACATTAGATGTATTTGCCGGCTGCCAG
ATTCCATACCCCAAACGAGAATTCCTTAATGAAGATGATC CTGAAGAAAAAGGTGACAAGAAT
CAGCAACAGCAGCAGAACCCAGCATCAGCAGCCACAGCCCTCCACA GCAGGCAGCAGCCCTCC
ACAGGCACCCACCACAGCAGAACAGCACCCAGACCAACGGGACCGCAGGT GGGGCTGGGGCC
GGGTGCGGGGACCGGAGCAGGTTGCAGCACAGCCAGGACTCCAGCCTGAACCAGG TGCTCC
AAACAAGAAGCCAGGCTAGGGCCTCAGGCGCAAACCTCAGGTGGACCTGTGATGCCCTCGGA
TTATCAGCACTCCAGTTCTCGCTGAATTACCAAAGCAGGTTCCAGGGATCCTCTCAGTCCCAG
AGCACA CTTGGCTACTTCTCTCGTCTCAGCAGAGCTCACAGTACCACCCATCTCACCAGGCCAC
CGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238257 representing NM_001300963
Red=Cloning site Green=Tags(s)

MSACREIALLRELKHPNVIALQKVFLSHSDRKVWLLFDYAEHDLWHIIKFHRASKANKKPMQLPRSMVKSL
 LLYQILDGIIHYLHANWVLRDLKAPANILVMGEGPERGRVKIADMGFARLFNSPLKPLADLDPVVVTFWYR
 APELLLGARHYTKAIDIWAIGCIFAELLTSEPIFHCQRQEDIKTSNPFHHDQLDRIF SVMGF PADKDWEDI
 RKMPEYPTLQKDFRRTTYANSSLIKMEKHKVKPDSKVFLLLQKLLTMDPTKRITSEQALQDPYFQEDPL
 PTLDFVAGCQIPYPKREFLNEDDP EEKGDKNQQQNQHQOPTAPPQAAAPPQAPPQONSTQTNGTAG
 GAGAGVGGTGAGLQHSQDSSLNQVPPNKKPRLGPGSANGGPPVMPDSYQHSSSRLNYQSSVQSSSQSQST
 LGYSSSSQSSQYHP SHQAHRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

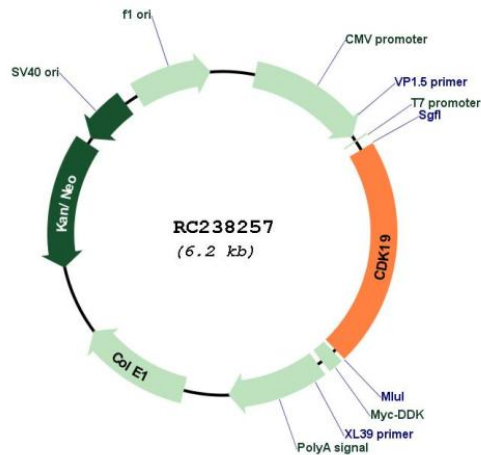
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001300963

ORF Size:	1326 bp
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.
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:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. 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:	NM_001300963.1 , NP_001287892.1
RefSeq Size:	6062 bp
RefSeq ORF:	1329 bp
Locus ID:	23097
UniProt ID:	Q9BWU1
Cytogenetics:	6q21
Protein Families:	Druggable Genome, Protein Kinase
MW:	50.3 kDa
Gene Summary:	This gene encodes a protein that is one of the components of the Mediator co-activator complex. The Mediator complex is a multi-protein complex required for transcriptional activation by DNA binding transcription factors of genes transcribed by RNA polymerase II. The protein encoded by this gene is similar to cyclin-dependent kinase 8 which can also be a component of the Mediator complex. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]