

Product datasheet for **RC238346**

CDC2L6 (CDK19) (NM_001300960) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC2L6 (CDK19) (NM_001300960) 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



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ORF Nucleotide Sequence:

>RC238346 representing NM_001300960
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATTATGATTCAAGGCGAAGCTGGCGCGGAGCGGGAGCGGGTGGAGGATTTGTTTGTAGTACGAAG
 GGTGCAAAGTGGGACCGCGCACCTACGGTCACGCTACAAGCGAGGCGAAAGATGAAAAAGATGAAAA
 GGAATATGCATTGAAGCAAATTGAAGGCACAGGAATATCCATGTCGGCTTGTAGAGAGATTGCACCTTTG
 CGAGAATTGAAGCACCTAATGTGATTGCATTGCAGAAGGTGTTCTTTCTCACAGTGACAGGAAGGTAT
 GGCTGCTGTTTATTATGCAGAGCATGACTTGTGGCATATTATTAAGTTTCACCGTGCATCAAAAGCAAA
 TAAAAAGCCCATGCAGTTGCCAAGATCTATGGTTAAATCCTTACTTTACCAGATTCTTGATGGTATCCAT
 TACCTCCATGCAAATGGGTGCTTACAGAGACTTGAACCAGCAAAATCCTAGTAATGGGAGAAGGTC
 CTGAGAGGGGGAGAGTCAAAATAGATATATGGGCAATAGGTTGTATTTTCTGTAATTGTTGACTTCGG
 ACCTATTTTTCTACTGTCGTCAGGAAGATATAAAAAACAAGCAATCCCTTTCATCATGATCAACTGGATCGG
 ATATTTAGTGTATGGGTTTCCCTGCAGATAAAGACTGGGAAGATATTAGAAAGATGCCAGAATATCCCA
 CACTTCAAAAAGACTTTAGAAGAACAACGTATGCCAACAGTAGCCTCATAAAGTACATGGAGAAACACAA
 GGTCAAGCCTGACAGCAAAGTGTTCCTTCTGTTTCCAGAACTCCTGACCATGGATCCAACCAAGAGAATT
 ACCTCGGAGCAAGCTCTGCAGGATCCCTATTTTTCAGGAGGACCTTTGCCAACATTAGATGTATTTGCCG
 GCTGCCAGATTCCATACCCCAAACGAGAATTCCTTAATGAAGATGATCCTGAAGAAAAAGGTGACAAGAA
 TCAGCAACAGCAGCAGAACAGCATCAGCAGCCACAGCCCTCCACAGCAGGCAGCAGCCCTCCACAG
 GCGCCCCACACAGCAGAACAGCACCCAGACCAACGGGACCGCAGGTGGGGCTGGGCGCGGGTTCGGGG
 GCACCGGAGCAGGTTGCAGCACAGCCAGGACTCCAGCCTGAACCAGGTGCCTCCAAACAAGAAGCCACG
 GCTAGGGCCTTTCAGGCGCAAACCTCAGGTGGACCTGTGATGCCCTCGGATTATCAGCACTCCAGTTCTCGC
 CTGAATTACCAAAGCAGGTTTCAGGGATCCTCTCAGTCCCAGAGCACACTTGGCTACTCTTCTCTGCTCT
 AGCAGAGCTCACAGTACCACCCATCTACCAGGCCACCGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238346 representing NM_001300960
 Red=Cloning site Green=Tags(s)

MDYDFKAKLAAERERVELDFEYEGCKVGRGTYGHVYKARRKDGKDEKEYALKQIEGTGISMSACREIAL
 RELKHPNVIALQKVFLSHDRKVWLLFDYAEHDLWHIIFHRASKANKKPMQLPRSMVKSLLYQILDGIIH
 YLHANWVLRDLK PANILVMGEGPERGRVKIDIWAIIGCIFAELLTSEPIFHRQEDIKTSNPFHHDQLDR
 IFSVMGF PADKDWEDIRKMPEYPTLQKDFRRTTYANSSLIKYMEKHVKPDSKVFLLLQKLLTMDPTKRI
 TSEQALQDPYFQEDPLPTLDVFAAGCQIPYPKREFLNEDDPEEKGDKNQQQQNQHQOPTAPPOQAAAPPQ
 APPPQQNSTQTNGTAGGAGAGVGGTGAGLQHSQDSSLNQVPPNKKPRLGPSGANSVGGPVMPSDYQHSSSR
 LNYQSSVQGSQSSTLGYSSSSQSSQYHP SHQAHRY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

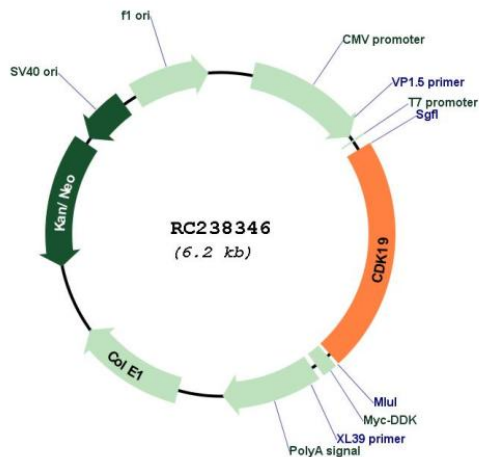
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001300960

ORF Size: 1374 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:

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_001300960.2](#)

RefSeq Size: 6114 bp

RefSeq ORF: 1377 bp

Locus ID: 23097

UniProt ID: [Q9BWU1](#)

Cytogenetics: 6q21

Protein Families: Druggable Genome, Protein Kinase

MW: 52.3 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]