

## Product datasheet for **RC238258**

### CDC2L6 (CDK19) (NM\_001300964) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CDC2L6 (CDK19) (NM\_001300964) 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:** >RC238258 representing NM\_001300964  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGGCTTGTAGAGAGATTGCACTTTTGGCAGAATTGAAGCACCTAATGTGATTGCATTGCAGAAGG  
 TGTTCCCTTCTCACAGTGACAGGAAGGTATGGCTGCTGTTTGATTATGCAGAGCATGACTTGTGGC  
 ATATATTAAGTTTACCGTGCATCAAAGCAAATAAAAAGCCCATGCAGTTGCCAAGATCTATGGTTAAATCC  
 TTACTTTACCAGATTCTTGATGGTATCCATTACCTCCATGCAAATTTGGGTGCTTACAGAGACTTGA  
 AAC CAGCAAATATCCTAGTAATGGGAGAAGGTCTGAGAGGGGGAGAGTCAAATAGCTGACATGGGTTT  
 TGC CAGATTATTCAATTCTCCTCTAAAGCCACTAGCAGATTTGGATCCAGTAGTTGTGACATTTTGGTATCGG  
 GCTCCAGAACTTTTGGTTGGTGAAGGCATTATACAAAGGCCATTGATATATGGGCAATAGGTTGTATAT  
 TTGCTGAATTGTTGACTTCGGAACCTATTTTCACTGTCGTCAGGAAGATATAAAAAAAGCAATCCCTT  
 TCATCATGATCAACTGGATCGGATATTTAGTGTATGGGTTTCTGCAGATAAAGACTGGGAAGATATT  
 AGAAAGATGCCAGAATATCCACACTTCAAAAAGACTTTAGAAGAACAACGTATGCCAACAGTAGCCTCA  
 TAAAGTACATGGAGAAACACAAGGTCAAGCCTGACAGCAAAGTGTCTCTTGGCTCAGAACTCCTGAC  
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 GGGGCTGGGGCCGGGTGGGGGCACGGGAGCAGGTTGCAGCACAGCCAGGACTCCAGCCTGAACCAGG  
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 TTATCAGCACTCCAGTTCTGCCTGAATTACCAAAGCAGGTTCCAGGGATCCTCTCAGTCCCAGAGCACA  
 CTTGGCTACTTCTCTGCTCTCAGCAGAGCTCACAGTACCACCCATCTCACCAGGCCACCGGTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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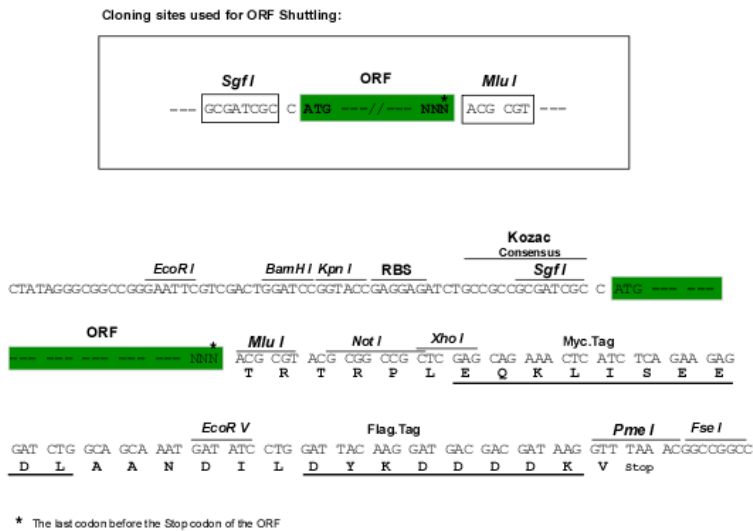
**Protein Sequence:** >RC238258 representing NM\_001300964  
 Red=Cloning site Green=Tags(s)

MSACREIALLRELKHPNVIALQKVFLSHSDRKVWLLFDYAEHDLWHIIKFHRASKANKKPMQLPRSMVKS  
 LLYQILDGIIHYLHANWVLRDLKAPANILVMGEGPERGRVKIADMGFARLFNSPLKPLADLDPVVVTFWYR  
 APELLLGARHYTKAIDIWAIGCIFAELLTSEPIFHCQRQEDIKTSNPFHHDQLDRIF SVMGF PADKDWEDI  
 RKMPEYPTLQKDFRRTTYANSSLIKMEKHVKVPDSKVFLLLQKLLTMDPTKRITSEQALQDPYFQEDPL  
 PTLDFVAGCQIPYPKREFLNEDDPEEKGDKNQQQQNQHQOPTAPPQQAAPPQAPPQONSTQTNGTAG  
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 LGYSSSSQSSQYHPHQAHRY

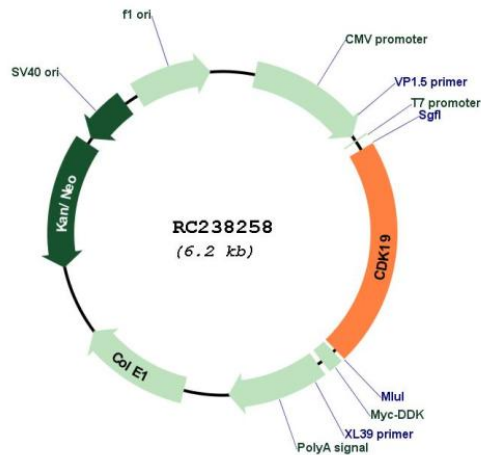
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001300964

<b>ORF Size:</b>	1326 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001300964.2</a>
<b>RefSeq Size:</b>	6016 bp
<b>RefSeq ORF:</b>	1329 bp
<b>Locus ID:</b>	23097
<b>UniProt ID:</b>	<a href="#">Q9BWU1</a>
<b>Cytogenetics:</b>	6q21
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	50.3 kDa
<b>Gene Summary:</b>	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]