

Product datasheet for **RG206105**

CDC2L6 (CDK19) (NM_015076) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC2L6 (CDK19) (NM_015076) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDC2L6
Synonyms:	bA346C16.3; CDC2L6; CDK11; DEE87; EIEE87
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206105 representing NM_015076
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTATGATTCAAGGCGAAGCTGGCGCGGAGCGGGAGCGGGTGGAGGATTTGTTTGTAGTACGAAG
 GGTGCAAAGTGGGACCGGCACCTACGGTCACGCTACAAGCGAGGCGAAAGATGAAAAAGATGAAAA
 GGAATATGCATTGAAGCAAATTAAGGACACAGGAATATCCATGTCGGCTTGTAGAGAGATTGCACCTTTG
 CGAGAATTGAAGCACCTAATGTGATTGCATTGCAGAAGGTGTTCTTTCTCACAGTGACAGGAAGGTAT
 GGCTGCTGTTTATTGATTATGCAGAGCATGACTTGTGGCATATTATTAAGTTTCACCGTGCATCAAAGCAA
 TAAAAAGCCCATGCAGTTGCCAAGATCTATGGTTAAATCCTTACTTTACCAGATTCTTGATGGTATCCAT
 TACCTCCATGCAAATGGGTGCTTACAGAGACTTGAACCAGCAAATATCCTAGTAATGGGAGAAGGTC
 CTGAGAGGGGAGAGTCAAATAGCTGACATGGGTTTTGCCAGATTATCAATTCTCTCTAAAGCCACT
 AGCAGATTTGGATCCAGTAGTTGTGACATTTTGGTATCGGGCTCCAGAATTTTGTGGTGAAGGCAT
 TATACAAAGGCCATTGATATATGGGCAATAGTTGTATATTTGCTGAATTGTTGACTTCGGAACCTATTT
 TCACTGTCGTCAGGAAGATATAAAAAAAGCAATCCCTTTCATCATGATCAACTGGATCGGATATTTAG
 TGTGATGGGGTTTCTGCAGATAAAGACTGGGAAGATATTAGAAAAGATGCCAGAAATATCCACACTTCAA
 AAAGACTTTAGAAGAACAACGTATGCCAACAGTAGCCTCATAAAGTACATGGAGAAAACACAAGGTCAAGC
 CTGACAGCAAAGTGTTCCTTCTGCTTCCAGAACTCCTGACCATGGATCCAACCAAGAGAATTACCTCGGA
 GCAAGCTCTGCAGGATCCCTATTTTCAGGAGACCCTTCCCAACATTAGATGTATTTGCCGGCTGCCAG
 ATTCATACCCCAAACGAGAATTCCTTAATGAAGATGATCCTGAAGAAAAAGGTGACAAGAATCAGCAAC
 AGCAGCAGAACCAGCATCAGCAGCCACAGCCCTCCACAGCAGGCAGCAGCCCTCCACAGCAGCCGCGCC
 ACCACAGCAGAACAGCACCCAGACCAACGGGACCGCAGGTGGGGCTGGGGCCGGGTTCGGGGCACCGGA
 GCAGGGTTGCAGCACAGCCAGGACTCCAGCCTGAACCAGGTGCCTCCAAACAAGAAGCCACGGCTAGGGC
 CTTCAGGCGCAAACCTCAGGTGGACCTGTGATGCCCTCGGATTATCAGCACTCCAGTTCTCGCTGAATTA
 CCAAAGCAGCGTTCCAGGGATCCTCTCAGTCCCAGAGCACACTTGGCTACTTCTCTCGTCTCAGCAGAGC
 TCACAGTACCACCATCTCACCAGGCCACCGGTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206105 representing NM_015076
 Red=Cloning site Green=Tags(s)

MDYDFKAKLAAERERVEDLFEYEGCKVGRGTYGHVYKARRKDGKDEKEYALKQIEGTGISMSACREIAL
 RELKHPNVIALQKVFLSHSDRKVWLLFDYAEHDLWHIIFHRASKANKKPMQLPRSMVKSLLYQILDGIIH
 YLHANVWVLRDLKPANILVMGEGPERGRVKIADMGFARLFNSPLKPLADLDPVVVTFWYRAPELLLGARH
 YTKAIDIWAIIGCIFAELLTSEPIFHCQRQEDIKTSNPFHHDQLDRIFSVMGFADKDWEDIRKMPYPTLQ
 KDFRRTTYANSSLIKYMEKHVKVPDSKVFLLQKLLTMDPTKRITSEQALQDPYFQEDPLPTLDVFAQCQ
 IPYPKREFLNEDDPEEKGDKNQQQNHQOPTAPPQQAAPPQAPPQNSTQTNGTAGGAGAGVGGTG
 AGLQHSQDSSLNQVPPNKKPRLGPSGANSGGPVMPSDYQHSSRLNYQSSVQSSQSSTLGYSSSSQSS
 SQYHPSHQAHRY

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_015076

ORF Size: 1506 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_015076.5](#)

RefSeq Size: 6139 bp

RefSeq ORF: 1509 bp

Locus ID: 23097

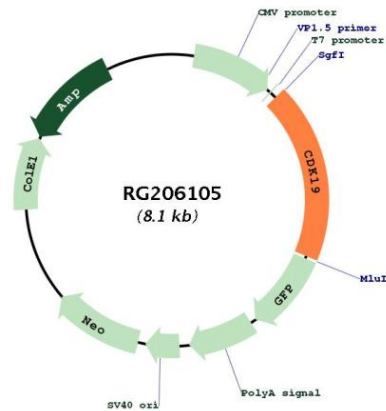
UniProt ID: [Q9BWU1](#)

Cytogenetics: 6q21

Protein Families: Druggable Genome, Protein Kinase

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]

Product images:



Circular map for RG206105