

Product datasheet for **RC238862**

CDC25C (NM_001287583) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC25C (NM_001287583) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDC25C
Synonyms:	CDC25; PPP1R60
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238862 representing NM_001287583
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGCGCAGCTCCGTGTCGTCTCTCTCAAAGTGTCTCTCGGACAGCGCTGTTGGGAACGAGCCT
 GGCCTTTGATTTAGGGATGGGGTGGTTTCTCTACTAACGAGTACCCCTCCAAAATATCGCAGAAAAG
 TGGACGGCCCCAGTTGGAGGCACATCTTAAACCCGCGGGGAGGCCATGTCGGAAGAAGTTTTGTTTT
 TCTCTGGTGAGAATTCGAAGACCATGTCTACGGAACCTTCTCATCCACAAGAGAGGAAGGAACTCTG
 GCTCAGGACCCAGTTTTAGGTCTAATCAAAGGAAAATGTTAAACCTGCTCCTGGAGAGAGACTTCCTT
 TACCGTCTGTCCAGATGTCCCTAGAACTCCAGTGGCAAATTTCTTGGTGATTCTGCAAACCTAAGCATT
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 AGCTTACCACTTCTGCAGACCTTGATGAACTGGTCACCTGGATTCTTCAGGACTTCAGGAAGTGCATTT
 AGCTGGGATGAATCATGACCAGCACCTAATGAAATGTAGCCAGCACAGCTTCTTTGTAGCACTCCGAAT
 GGTTTGGACCGTGGCCATAGAAAGAGAGATGCAATGTGTAGTTTCTGCAAATAAAGAAAATGACAATG
 GAACTTGGTGGACAGTAAATGAAATATTTGGGCACTCCATTACTACTGTTCCAAAATGGATAAAAA
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 GAAGCAAAGGTGAGCAGAAGTGGCCTATATCGCTCCCCGTCGATGCCAGAGAAGTGAACAGGCCAAGAC
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 GGGTCTGATTGAGAAGTTTTATGTCATTGATTGTCGCTATCCATATGAGTATCTGGGAGGACACATCCAG
 GGAGCCTTAAACTTATATAGTCAGGAAGAACTGTTAACTTCTTTCTGAAGAAGCCCATCGTCCCTTTGG
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 AAAGGCGGCTACAGAGACTTCTTCCAGAATATATGGAAGTGTGTGAACACAGAGCTACTGCCCTATGC
 ATCATCAGGACCACAAGACTGAGTTGCTGAGGTGTGGAAGCCAGAGCAAAGTGCAGGAAGGGGAGCGGCA
 GCTGCGGGAGCAGATTGCCCTTCTGGTGAAGGACATGAGCCCA

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

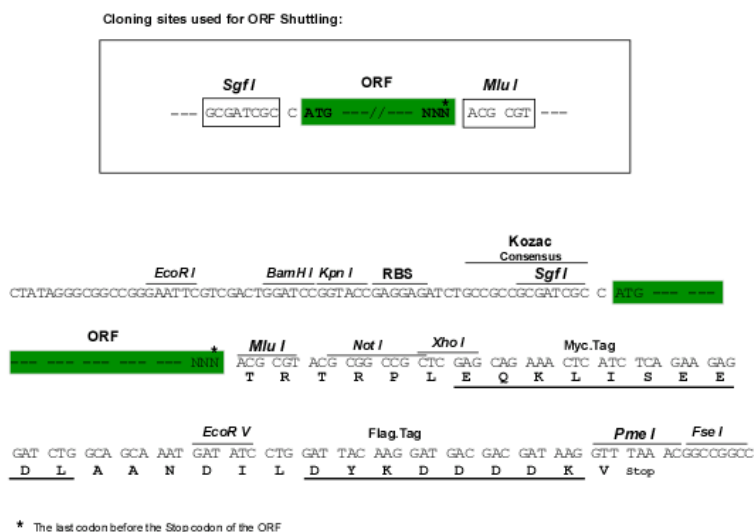
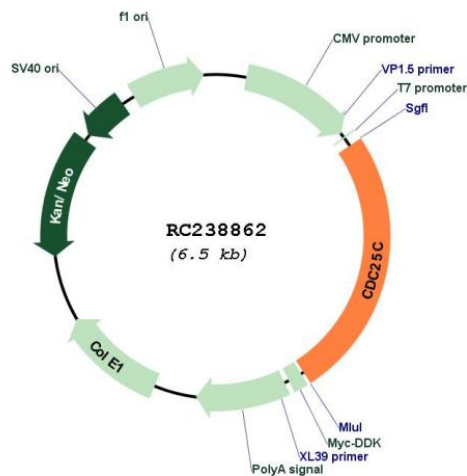
>RC238862 representing NM_001287583
 Red=Cloning site Green=Tags(s)

MEGAAPCRVSLKVSLGQRCWERAWRFDLGMGVVSSLTSHPLQNIAESGRPQLEAHLETRGGGHVGRRFCF
 SPGENSKTMSTELFSSTREEGSSGSGPSFRSNQRKMLNLLERDTSFTVCPDVPRTVPVGKFLGDSANLSI
 LSGGTPKRCLDLNLSSGEITATQLTTSADLDETGHLDSGLQEVHLAGMNHQHLMKCSPAQLLCSTPN
 GLDRGHRKRDAMCSSANKENDNGLVDSEMKYLGSPITTVPKLDKNPNLGEDQAEIISDELMEFSLKDQ
 EAKVSRSLYRSPSPENLNRPLKQVEKFDNTIPDKVKKKYFSGQGKLRKGLCLKKTVSLCDITITQM
 LEEDSNQGHLLIGDFSKVICALPTVSGKHQDLKYVNPETVAALLSGKFQGLIEKFYVIDCRYPYEYLGHHIQ
 GALNLYSQEELFNFFLKKPIVPLDTQKRIIIVFHCFSSERGPRMCRCLREEDRSLNQYPALYPELYIL
 KGGYRDFPEYMELCPEQSYCPMHQDHKTELLRCRSQSKVQEGERQLREQIALLVKDMSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:**Plasmid Map:**

ACCN:	NM_001287583
ORF Size:	1653 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_001287583.2
RefSeq Size:	2304 bp
RefSeq ORF:	1656 bp
Locus ID:	995
Cytogenetics:	5q31.2
Protein Families:	Druggable Genome, Phosphatase, Stem cell - Pluripotency
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation
MW:	62.3 kDa
Gene Summary:	This gene encodes a conserved protein that plays a key role in the regulation of cell division. The encoded protein directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It also suppresses p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Dec 2015]