

Product datasheet for **SC336756**

CDC25C (NM_001287583) Human Untagged Clone

Product data:

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



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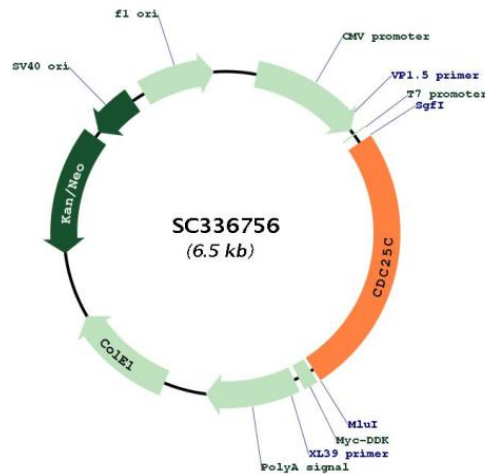
Fully Sequenced ORF: >SC336756 representing NM_001287583.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGGCGCAGCTCCGTGTCGTCTCTCTCAAAGTGTCTCTCGGACAGCGCTGTTGGGAACGAGCC
TGGCGCTTTGATTTAGGGATGGGGTGGTTTCCCTCACTAACGAGTCACCCCTCCAAAATATCGCAGAA
AGTGGACGGCCCCAGTTGGAGGCACATCTTAAAACCCGCGGGGAGGCCATGTCGGAAGAAGTTTTGT
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CCACAGAGCTACTGCCCTATGCATCATCAGGACCACAAGACTGAGTTGCTGAGGTGTCGAAGCCAGAGC
AAAGTGCAGGAAGGGGAGCGGCAGCTGCGGAGCAGATTGCCCTTCTGGTGAAGGACATGAGCCCATGA
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ACCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001287583

Insert Size: 1656 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001287583.1](#)

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: 61.9 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]

Transcript Variant: This variant (4) differs in the 5' UTR, uses an alternate splice site in the 5' region, and initiates translation at an alternate start codon compared to variant 1. The encoded isoform (c) has a longer N-terminus than isoform a.