

Product datasheet for **RG238862**

CDC25C (NM_001287583) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC25C (NM_001287583) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDC25C
Synonyms:	CDC25; PPP1R60
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238862 representing NM_001287583.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAGGGCGCAGCTCCGTGTCTCTCAAAGTGTCTCTCGGACAGCGCTGTTGGGAACGAGCC
TGGCGCTTTGATTTAGGATGGGGTGGTTTCTCACTAACGAGTACCCCTCCAAAATATCGCAGAA
AGTGGACGGCCCAAGTTGGAGGCACATCTTGAACCCGCGGGGAGGCCATGTCGGAAGAAGTTTTGT
TTTTCTCTGGTGAATTCGAAGACCATGTCTACGGAACCTTCTCATCCACAAGAGAGGAAGGAAGC
TCTGGCTCAGGACCCAGTTTTAGGTCTAATCAAAGGAAAAATGTTAAACCTGCTCTGGAGAGAGACT
TCCTTTACCGTGTCCAGATGTCCCTAGAACTCCAGTGGGCAAATTTCTTGGTATTCTGCAAACCTA
AGCATTGTCTGGAGGAACCCAAAACGTTGCCTCGATCTTTCGAATCTTAGCAGTGGGAGATAACT
GCCACTCAGCTTACCCTTCTGCAGACCTTGATGAACTGGTACCTGGATTCTTCAGGACTTCAGGAA
GTGCATTTAGCTGGGATGAATCATGACCAGCACCTAATGAAATGTAGCCAGCACAGCTTCTTTGTAGC
ACTCCGAATGGTTTGGACCGTGGCCATAGAAAGAGAGATGCAATGTGTAGTTCATCTGCAATAAAGAA
AATGACAATGGAACTTGGTGGACAGTGAATGAAATATTTGGGAGTCCCACTACTACTGTTCCAAAA
TTGGATAAAAAATCCAAACCTAGGAGAAGACCAGGCAGAAGAGATTTAGATGAATTAATGGAGTTTTCC
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AACAGGCCAAGACTGAAGCAGGTGGAAAAATTCAGGACAACACAATACCAGATAAAGTTAAAAAAAAG
TATTTTCTGGCCAAGGAAAGCTCAGGAAGGGCTTATGTTTAAAGAAGACAGTCTCTCTGTGTGACATT
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TACCCAGAGCTATATCCTTAAAGGGCTACAGAGACTTCTTCCAGAATATATGGAAGTGTGTGAA
CCACAGAGCTACTGCCCTATGCATCATCAGGACCACAAGACTGAGTTGCTGAGGTGTGGAAGCCAGAGC
AAAGTGCAGGAAGGGGAGCGGCAGCTGCGGGAGCAGATTGCCCTTCTGGTGAAGGACATGAGCCCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG238862
 Blue=ORF Red=Cloning site Green=Tag(s)

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MEGAAPCRVSLKVSLGQRCWERAWRFDLGMGVVSSLTSHPLQNIAESGRPQLEAHLETRGGGHVRRFC
FSPGENSKMSTELFSSSTREEGSSGSGPSFRSNQRKMLNLLERDTSFTVCPDVPRTVPVKFLGDSANL
SILSGGTPKRCCLDLNLSSGEITATQLTTSADLDETHLDSSGLQEVHLAGMNHQHLMKCSPAQLLCS
TPNGLDRGHRKRDAMCSSANKENDNGNLVDSEMKYLGSPITTVPKLDKNPNLGEDQAEESIDELMEFS
LKDQEAQVSRSLYRSPSPENLNRPLKQVEKFKDNTIPDKVKKKYFSGQGLRKGLCLKKTVSLCDI
TITQMLEEDSNQGHGIDFSKVCALPTVSGKHQDLKYVNPETVAALLSGKFQGLIEKFYVIDCRYPYEV
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MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
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Restriction Sites:

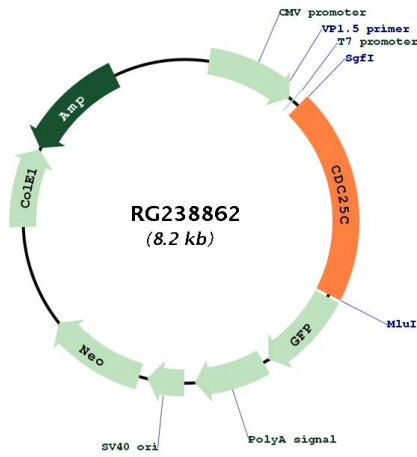
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



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).
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]