

Product datasheet for **RG217822**

CDC20B (NM_152623) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC20B (NM_152623) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDC20B
Synonyms:	G6VTS76519
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217822 representing NM_152623
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTGGAAACTGGAGCGCACCCGCGCTCGGAGGGTCCGCACGGAAGAGGAGATGCTGTGGGAAAGTA
 TCATGCGTGTGCTCTCCAAGACTTGAAGCAGAAGAGAAGTCAAGATTCGCCAACGTACTCGATTCACT
 TAATGCTACGTATTCTGACTTTAAGAGCAACTTTCGCAAGAGGCTGTCCGCAGAGTTCTGTTGCGAGT
 AGCCCCATTACCACAAGGTGGCAGCAAAGTCAAAGTCTGCTCTGATTCTTTGGGAAAGAGC
 AGTCAACCACCTACCTCCAGAAGCTTCCGGATCAGTGTGAAGACACCGCTGAGAAAGAGACCTTGAC
 TCTAGGATCTGCAAAGAACAAGTGAAGACCCAGCAAAGGAATTTCTGAAACAAGTAAGTCTGCTCTC
 CATTTCGCAAGGCACCTCATGCAATGGACAGAGACTGAAAGAAAGTGTTCCTCAAAGGGCAGAAAT
 GCCTAAAACAAGTCTTTGTAACCCAGAAGCTGGTTCAGCAGGCTAATGGAAAAATGCAGCTCTGTGAGCA
 ATCCGAATGTGTTGGAAAGGCTCAAAGATGGAGTCAAGATGAATCCTCCATCTTAAAAGTTCTGGT
 GATATAAACGATTCCATACTCCAACAGAGGTGAAGATTCATATTACTGGTCTTCGAAATGACTACTATC
 TGAATATCCTAGATTGGAGTTTTGAGAATCTTGTGCCATAGCCCTGGGCTCTGCTGTATACATCTGGAA
 TGGGGAGAACCACAATGGGATTGAAAACATAGACTTAAGTCTCACTTGTAACTATATCTTCTGTGTCC
 TGGATAAAAGAGGGAACTTGCTGGCAGTTGGCACCAGCGAGGGAGAAGTGAATATGGGATGTGGTAA
 CTA AAAAGCGGCTGAGAAATATGCTTGGTCATTTGTGTCAGTAGTTGGGGCTCTGAGCTGGAATCACTTAT
 CCTCAGCAGTGGGTCAAGACTGGGGCTGTTTATCATCACGATGTTCCGGTAGCCAGCATCATGTTGGA
 ACACCTCGCCACAAGCAAGCTGTGTGCTCTGAAGTGGTCAAGGATGCGAGGCTGCTTCCAGCGGCT
 GCAGTATGGACTGCTGACAATATGGCCCCACGATCCAGGTGCCAGTGCACAGGGCAACCGCTGAAAGT
 CATAACCCAGTCTACGGCAGTCAAGGCCATGGATTGGTGTCCCTGGCAGTCTGGGGTCTTGGCATTGGA
 GGAGGAATGAAGGATGGACGCTTACACATCTTGGATATAAATGCTGGGAAGAGCATCCAGACCCCAAGCA
 CAAACTCACAGATTTGTTCTTAATCTGGCTACCTAAGACAAAGGAGATTGCAACTGGTCAAGGACTCC
 CAAGAATGATGTGACTGTGTGGACCTGTCCACTGTGTCCAGGTGAGCCACAGGGGAGAGTGTGCAC
 CTGGCTTTGAGTCCAGACCAGACCCGGGTGTTTCTGCTGCAGCTGATGGACGGCTCTGTATGGAATT
 GCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG217822 representing NM_152623
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MEWKLERTAPRRVREEEMLWESIMRVL SKDLKQKRSQDSANVLDSVNATYSDFKSNFAKRLSAEVPVAS
 SPITTRWQQSQTRALSSDSFGEEQSTTYLPEASGSVLKTPPEKETLTLGSCKEQLKTPSKGISETSNSAL
 HFCKAPHAMDRDWKESVASKGQKCLKQLFVTQNVVQQANGKMLCEQSECVWKGCKDGVRDESFLKSSG
 DINDSILQPEVKIHIHTGLRNDYYLNILDWSFQNLVAIALGSAVYIWNGENHNGIENIDLSTCNYSVSV
 WIKEGTCLAVGTSEGEVQLWDVVTKRLRNMLGHL SVVGALSWNHFILSSGSRLGRVYHHDVRAQHHVG
 TLRHKQAVCALKWSPDGRLLSSGCSGLLTIWPHDPGASAQGQPLKVITQSTAVKAMDWCPWQSGVLAIG
 GGMKDGRHLHILDINAGKSIQTPSTNSQICSLIWLPKTKEIATGQGTPKNDVTVWTCPTVSRSGHRGRVLH
 LALSPDQTRVFSAAADGTASVWNCY

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_152623
ORF Size:	1545 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<u>NM_152623.1</u> , <u>NP_689836.1</u>
RefSeq Size:	2946 bp
RefSeq ORF:	1548 bp
Locus ID:	166979
UniProt ID:	<u>Q86Y33</u>
Cytogenetics:	5q11.2
Protein Families:	Druggable Genome