

Product datasheet for **RG230216**

CDC20B (NM_001170402) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC20B (NM_001170402) 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:

>RG230216 representing NM_001170402
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTGGAAACTGGAGCGCACCCGCGCTCGGAGGGTCCGCACGGAAGAGGAGATGCTGTGGGAAAGTA
 TCATGCGTGTGCTCTCCAAGACTTGAAGCAGAAGAGAAGTCAAGATTCGCCAACGTACTCGATTCACT
 TAATGCTACGTATTCTGACTTTAAGAGCAACTTTGCGAAGAGGCTGTCCGCAGAGTTCTGTTGCGAGT
 AGCCCCATTACCACAAGGTGGCAGCAAAGTCAAAGTCTGCTCTGATTCTTTGGGGAAGAGC
 AGTCAACCACCTACCTCCAGAAGCTTCCGGATCAGTGTGAAGACACCGCTGAGAAAGAGACCTTGAC
 TCTAGGATCCCGCAAAGAACAAGTGAAGACCCCGCAAAGGAATTTCTGAAACAAGTAAGTCTGCTCTC
 CATTCTTGAAGGCACCTCATGCAATGGACAGAGACTGAAAGAAAGTGTTCCTCAAAGGGCAGAAAT
 GCCTAAAACAAGTCTTTGTAACCCAGAAGTGGTTCAGCAGGCTAATGGAAAAATGCAGCTCTGTGAGCA
 ATCCGAATGTGTTGGAAAGGCTCAAAGATGGAGTCAAGATGAATCCTTCCATCTTAAAAGTTCTGGT
 GATATAAACGATTCCATACTCCAACAGAGGTGAAGATTCATATTACTGGTCTTCGAAATGACTACTATC
 TGAATATCCTAGATTGGAGTTTTGAGAATCTTGTGCCATAGCCCTGGGCTCTGCTGTATACATCTGGAA
 TGGGGAGAACCACAATGGGATTGAAAACATAGACTTAAGTCTCACTTGTAACTATATCTTCTGTGTCC
 TGGATAAAAGAGGGAACTTGCTGGCAGTTGGCACCAGCGAGGGAGAAGTGAATATGGGATGTGGTAA
 CTA AAAAGCGGCTGAGAAATATGCTTGGTCATTTGTGAGTGTGGGCTCTGAGCTGGAATCACTTTAT
 CCTCAGCAGTGGGTCAAGACTGGGGCTGTTTATCATCACGATGTTCCGGTAGCCAGCATCATGTTGGA
 ACACCTCGCCACAAGCAAGCTGTGTGTGCTCTGAAGTGGTCAAGGATGGCAGGCTGCTTCCAGCGGCT
 GCAGTGATGGACTGTGACAATATGGCCCCACGATCCAGGTGCCAGTGCACAGGGCAACCGCTGAAAGT
 CATAACCCAGTCTACGGCAGTCAAGGCCATGGATTGGTGTCCCTGGCAGTCTGGGGTCTTGGCATTGGA
 GGAGGAATGAAGGATGGACGCTTACACATCTTGGATATAAATGCTGGGAAGAGCATCCAGACCCCAAGCA
 CAAACTCACAGATTTGTTCTTAATCTGGCTACCTAAGACAAAGGAGATTGCAACTGGTCAAGGACTCC
 CAAGAATGATGTGACTGTGTGGACCTGTCCACTGTGTCCAGGTGAGTGGGTTTTTGGCCACAGGGGC
 AGAGTGTGCACCTGTCTTTGAGTCCAGACCAGACCCGGGTGTTTTCTGCTGCAGCTGATGGGACGGCT
 CTGTATGGAATTGCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230216 representing NM_001170402
 Red=Cloning site Green=Tags(s)

MEWKLERTAPRRVREEEMLWESIMRVLSKDLKQKRSQDSANVLDSVNATYSDFKSNFAKRLSAEVPVAS
 SPITTRWQQSQTRALSSDSFGEEQSTTYLPEASGSVLKTPPEKETLTLGSRKEQLKTPSKGISETSNSAL
 HFCKAPHAMDRDWKESVASKGQKCLKQLFVTQNVVQQANGKMLCEQSECVWKGCKDGVRDESFLKSSG
 DINDSILQPEVKIHIHTGLRNDYYLNILDWSFQNLVAIALGSAVYIWNGENHNGIENIDLSTCNYSVSV
 WIKEGTCLAVGTSEGEVQLWDVVTKRLRNMLGHL SVVGALSWNHFILSSGSRLGRVYHHDVRAQHHVG
 TLRHKQAVCALKWSPDGRLLSSGCSGLLTIWPHDPGASAQGQPLKVITQSTAVKAMDWCPWQSGVLAIG
 GGMKDGRLHILDINAGKSIQTPSTNSQICSLIWLPKTKEIATGQGTAKNDVTVWTCPTVSRSGGFFGHRG
 RVLHLSLSPDQTRVFSAAADGTASVWNCY

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001170402
ORF Size:	1557 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_001170402.1 , NP_001163873.1
RefSeq Size:	2984 bp
RefSeq ORF:	1560 bp
Locus ID:	166979
UniProt ID:	Q86Y33
Cytogenetics:	5q11.2
Protein Families:	Druggable Genome