

Product datasheet for **RG227528**

CDC20B (NM_001145734) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC20B (NM_001145734) 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:

>RG227528 representing NM_001145734
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTGGAAACTGGAGCGCACCCGCGCTCGGAGGGTCCGCACGGAAGAGGAGATGCTGTGGGAAAGTA
 TCATGCGTGTGCTCTCCAAGACTTGAAGCAGAAGAGAAGTCAAGATTCGCCAACGTACTCGATTCACT
 TAATGCTACGTATTCTGACTTTAAGAGCAACTTTGCGAAGAGGCTGTCCGCAGAGTTCTCTGTTGCGAGT
 AGCCCCATTACCACAAGGTGGCAGCAAAGTCAAAGTCTGCTCTGATTCTTTGGGGAAGAGC
 AGTCAACCACCTACCTCCAGAAGCTTCCGGATCAGTGTGAAGACACCGCTGAGAAAGAGACCTTGAC
 TCTAGGATCCCGCAAAGAACAAGTGAAGACCCCGCAAAGGAATTTCTGAAACAAGTAAGTCTGCTCTC
 CATTTTTGCAAGGCACCTCATGCAATGGACAGAGACTGAAAGAAAGTGTGCCTCAAAGGGCAGAAAT
 GCCTAAAACAAGTCTTTGTAACCCAGAAGTGGTTCAGCAGGCTAATGGAAAAATGCAGCTCTGTGAGCA
 ATCCGAATGTGTTGGAAAGGCTGCAAAGATGGAGTCAAGATGAATCCTTCCATCTTAAAAGTTCTGGT
 GATATAAACGATTCCATACTCCAACAGAGGTGAAGATTCATATTACTGGTCTTCGAAATGACTACTATC
 TGAATATCCTAGATTGGAGTTTTCAGAATCTTGTGGCCATAGCCCTGGGCTCTGCTGTATACATCTGGAA
 TGGGGAGAACCACAATGGGATTGAAAACATAGACTTAAGTCTCACTTGTAACTATATCTTCTGTGTCC
 TGGATAAAGAGGGAACTTGCTGGCAGTTGGCACCAGCGAGGGAGAAGTGAATATGGGATGTGGTAA
 CTAAGGCGGCTGAGAAATATGCTTGGTCATTTGTGTCAGTAGTTGGGGCTCTGAGCTGGAATCACTTTAT
 CCTCAGCAGTGGGTCAAGACTGGGGCGTGTTCATCACGATGTTCCGGTAGCCAGCATCATGTTGGA
 ACACCTCGCCACAAGCAAGCTGTGTGCTCTGAAGTGGTCAAGTGGTCCAGGATGCGACAGGGCAACCGCTGAAAGT
 GCAGTGTGACTGCTGACAATATGGCCCGCAGTCCAGTGGCAGTGCACAGGGCAACCGCTGAAAGT
 CATAACCCAGTCTACGGCAGTCAAGATTTGTTCCCTTAATCTGGTACCTAAGACAAAGGAGATTGCAACT
 GGTCAAGTACTCCCAAGAATGATGTGACTGTGTGGACCTGTCCCACTGTGTCCAGGTCAAGTGGGTTTT
 TTGGCCACAGGGCAGAGTGTGCACCTGGCTTTGAGTCCAGACCAGACCCGGGTGTTTTCTGCTGCAGC
 TGATGGGACGGCCTCTGTATGGAATTGCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG227528 representing NM_001145734
 Red=Cloning site Green=Tags(s)

MEWKLERTAPRRVRTEEEMLWESIMRVL SKDLKQKRSQDSANVLDSVNATYSDFKSNFAKRLSAEVPVAS
 SPITTRWQQSQTRALSSDSFGEEQSTTYLPEASGSVLKTPPEKETLTLGSRKEQLKTPSKGISETSNSAL
 HFCKAPHAMDRDWKESVASKGQKCLKQLFVTQNVVQQANGKMQLCEQSECVWKGCKDGVREDSFHLKSSG
 DINDSILQPEVKIHITGLRNDYYLNILDWSFQNLVAIALGSAVYIWNGENHNGIENIDLSTCNYISSVS
 WIKEGTCLAVGTSEGEVQLWDVVTKRRLRNMLGHL SVVGALSWNHFILSSGSRLGRVYHHDV RVAQHHVG
 TLRHKQAVCALKWSPDGRLLSSGCSGLLTIWPHDPGASAQGQPLKVITQSTAVKICSLIWLPKTKEIAT
 GQGTPKNDVTVWTCPTVSRSGGFFGHRGRVHLHALSPDQTRVFSAAADGTASVWNCY

TRTRPLE - GFP Tag - V

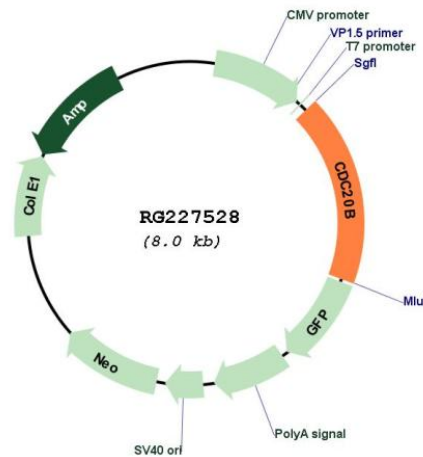
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001145734

ORF Size: 1431 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:

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_001145734.1](#), [NP_001139206.1](#)

RefSeq Size: 2832 bp

RefSeq ORF: 1434 bp

Locus ID: 166979

UniProt ID: [Q86Y33](#)

Cytogenetics: 5q11.2

Protein Families: Druggable Genome