

## Product datasheet for **RC208580**

### NT5DC3 (NM\_001031701) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NT5DC3 (NM_001031701) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NT5DC3
Synonyms:	TU12B1-TY; TU12B1TY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC208580 representing NM\_001031701  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCATGGCAGCGCGCGGTGGTGGCACGCGGGCCGGGCGAGGGCAGCGACGCGCGGCTTTGC  
 GGGGTGGCTGCGGGACCGCGCTCGGGGGCGCGGTGTGCGGGCCCCCGGCCCTTGTGCACTGCACC  
 CGGGACCGCCCCGGACATGAAGCGCTACCTGTGGAGCGCTACCGGGAGGCGAAGAGAAGCACAGAAGAA  
 TTGGTTCCCTTCCATTATGAGCAACTTGTGAATCCAGATGCCATTTTCTCAAACAATGAAATGAGCCTGT  
 CAGACATTGAAATCTATGGCTTCGATTATGATTACACCTTGGTGTTTTATTCAAAGCACCTCCACACGCT  
 GATATTTAATGCTGCACGGGACCTTCTCATCAATGAACACCGGTATCCAGCAGAAATCAGGAAGTATGAG  
 TATGACCCAAATTTGCAATTCGTGGACTTCATTATGATGTACAGCGGGCAGTATTAATGAAGATCGATG  
 CTTTTTATTATCCAGCTGGAACTGTCTACAGAGCCCTCAGTGTGTCCCTGATGAAGAAGTCATTGA  
 AATGTACGAGGGTCCCACGTGCCCTTGGAGCAGATGAGTGACTTTTACGAAAGAGCTCTCATGGAAC  
 ACGATGAAGCAGTTCATGGACATCTTCCCTGCCCGAGATGACCTCCTGTCTGCGTGAATGAATACT  
 TCCTCAAGAACAACATCGACTATGAGCCTGTGCATCTGTACAAAGATGTCAAGGATTCAATTCGAGACGT  
 CCACATCAAAGGAATAATGTACAGAGCAATTGAAGCAGACATTGAAAAGTACATCTGCTATGCTGAGCAG  
 ACCCGCGCAGTGTGGCCAAACTGGCTGATCATGGCAAGAAGATGTTTCTCATACCAATAGCCCCAGTA  
 GCTTTGTGGACAAAGGGATGAGTTATATCGTTGGGAAAGACTGGAGGGACCTGTTTCGATGTGGTCATTGT  
 TCAGGCTGAGAAGCCAACTTCTTAATGATAAGCGGAGGCCCTTCCGAAAGATGAATGAGAAAGGTGTC  
 TTACTCTGGGATAAAAATCCATAAGTTGCAGAAAGCCAGATATAACAAGCAGGGTAATTTATGAATTTT  
 TGAAGCTTACTGGATGGAGAGGATCCAGAGTGTGTATTTTGGTGACCATATACAGTGACCTGGCGGA  
 TTTGACCCTAAAGCATGGCTGGAGGACTGGTGCATCATCCAGAGTTGAGATCTGAGCTCAAATCATG  
 AACACGGAGCAATACATTCAAACATGACCTGGCTGCAGACCTTGACTGGCTTATTGGAACAGATGCAGG  
 TTCACAGAGATGCTGAGTACAGCTGGTTTTGCAGGAGTGGAAAAAGGAAAGGAAGGAGATGCGAGAAAT  
 GACCAAGAGTTTCTTCAATGCCAGTTTGAAGCCTGTCCGCACAGACCAGAACCCAACCTACTTCCTA  
 AGGCGCTGTGCGCTTCGCTGACATCTACATGGCGTCTCTGAGTGCCTCCTGAACTATGACGTGACCC  
 ACATTTCTACCCCGGAGGACTCCACTGCAGCACGAAGTGCCCGCTGGTCAGAAAGGCCCCCCACCTT  
 CGGAACCCCTCTCTGCAGGAGGCCAGGCCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC208580 representing NM\_001031701  
 Red=Cloning site Green=Tags(s)

MTMAAAVVARGAGARAATAAALRGGCGTAARGRPCAGPARPLCTAPGTAPDMKRYLWERYEAKRSTEE  
 LVPSIMSNLLNPDAIFSNEMSLSDIEIYGFYDYTLVFYSKHLHTLIFNAARDLLINEHRYPAEIRKYE  
 YDPNFAIRGLHYDVQRAVLMKIDAFHYIQLGTVYRGLSVVPDEEVIEMYEGSHVPLEQMSDFYKSSHG  
 NTKQFMDIFSLPEMILLSCVNEYFLKNNIDYEPVHLKDKVKSIRDVHIKIMYRAIEADIEKYICYAEQ  
 TRAVLAKLADHGKMFLLITNSPSSFVDKMSYIVGKDWDLFDVVIQAEKPNFFNDKRRPFRKMNEKGV  
 LLWDKIHKLQKQIYKQGNLYEFLKLTGWRGSRVLYFGDHIYSDLADLTLKHGWRGTGAIPELRSELKIM  
 NTEQYIQMTWLQTLTGLLEQMQRDAESQLVLQEWKKERKEMREMTKSFNAQFGLFRDQNPYFL  
 RRLSRFADIYMASLSCLLNVDVSHTFYPRRTPLQHELPASERPPTFGTPLLQEAQAK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001031701

**ORF Size:** 1644 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\\_001031701.3](#)

**RefSeq Size:** 7214 bp

**RefSeq ORF:** 1647 bp

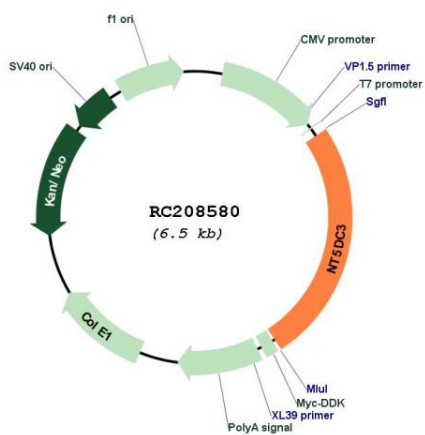
**Locus ID:** 51559

**UniProt ID:** [Q86UY8](#)

Cytogenetics: 12q23.3

MW: 63.4 kDa

**Product images:**



Circular map for RC208580