

Product datasheet for **RC225953**

NT5DC2 (NM_001134231) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	NT5DC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC225953 representing NM_001134231
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGGTGCGGGGCTCGGGCGGCCGCTCGGCGCTGGCTGCTGTGCGGAGGCCACGGCGGGCCGCGAG
 CCGCCTCGTCTCGCCCTCCTGCCCTGGGTGCGGCCCGCGGGTCCCGGCGCCCACTGCCCCGGCGTCCC
 GCGCTCCGCGCCCGCCAGGACCCACCAGCGCGCCGACCTCAGCGCGCACCTATGGGCTCGTACCA
 GACATGCGGAGACTGGTGCACGACCTCTGCCCGGAGGTCTGCAGTCTCCTGAACCCAGCAGCCATCT
 ACGCCAACAACGAGATCAGCCTGCGTGACGTTGAGGTCTACGGCTTTGACTACGACTACACCCTGGCCCA
 GTATGCAGACGCACTGCACCCGAGATCTTCAGTACCGCCCGTGACATCCTGATCGAGCACTACAAGTAC
 CCAGAAGGATTTCGAAGTATGACTACAACCCAGCTTTGCCATCCGTGGCCTCCACTATGACATTGAGA
 AGAGCCTTCTGATGAAGATTGACGCTTCCACTACGTGCAGCTGGGACAGCCTACAGGGGCTCCAGCC
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 CTTGATGTGGTCAATTGTCCAGGCAGACAAGCCAGCTTCTTCACTGACCGGCGCAAGCCTTTGAGAAAA
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 GAAACCTGTTTACTTCTTACGCTTGACGGAATGGCGTGGCCCCCGCTGCTCTACTTCGGGGACCACT
 CTATAGTGATCTGGCGGATCTCATGCTGCGGCACGGCTGGCGCACAGGCGCCATCATCCCCGAGCTGGAG
 CGTGAGATCCGCATCATCAACACGGAGCAGTACATGCACTCGCTGACGTGGCAGCAGGCGCTCACGGGGC
 TGCTGGAGCGCATGCAGACCTATCAGGACGCGGAGTCGAGGAGGTGCTGGCTGCCTGGATGAAAGAGCG
 GCAGGAGCTGAGGTGCATCACAAGGCCCTGTTCAATGCGCAGTTCGGCAGCATCTTCCGACCTTCCAC
 AACCCCACTACTTCTCAAGGCGCCTCGTGCGCTTCTCTGACCTCTACATGGCCTCCCTCAGCTGCCTGC
 TCAACTACCGCGTGGACTTCACCTTCTACCCACGCCGTACGCCGCTGCAGCACGAGGACCCCTCTGGAT
 GGACAGCTCTGCACCGGCTGCATGAAGACCCCTTCTTGGTGACATGGCCACATCCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225953 representing NM_001134231
 Red=Cloning site Green=Tags(s)

MAGAGLRAAARRWLLCGHGGPRAASSPSCPGCGPPGPAHCPGVPRSAQAAPTSGADLSAHLWARYQ
 DMRRLLVHLLPPEVCSLLNPAAIYANNEISLRDVEVYGFDDYTLAQYADALHPEIFSTARDILIEHYKY
 PEGIRKYDYNPSFAIRGLHYDIQKSLMKIDAFHYVQLGTAYRGLQVPVDEEVELYGGTQHIPLQMSG
 FYGKGPSIKQFMDIFSLPEMALLSCVVDYFLGHSLEFDQAHLKDVTDAIRDVHVKGLMYQWIEQDMEKY
 ILRGDETFAVLSRLVAHGKQLFLITNSPFSFVDKGMRMVGPDPWRQLFDVVIVQADKPSFFTDRRKPRK
 LDEKGSLLQWDRITRLEKGIYRQGNLFDLRLTEWRGPRVL YFGDHL YSDLADLMLRHGWRTGAIPELE
 REIRIINTEQYMHSLLTWQAL TGLLERMQTYQDAESRQVLAAMMKERQELRCITKALFNAQFGSIFRTFH
 NPTYFSRRLVRFSDLYMASLSCLLNRYRDFTFYPRRTPLQHEAPLWMDQLCTGCMKTPFLGDMAHIR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8034_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001134231

ORF Size: 1671 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:

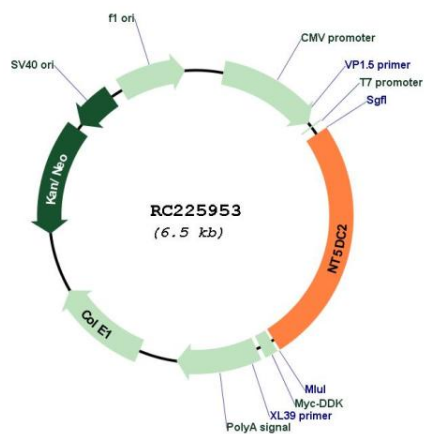
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001134231.2](#)

RefSeq ORF: 1674 bp
 Locus ID: 64943
 UniProt ID: [Q9H857](#)
 Cytogenetics: 3p21.1
 MW: 64 kDa

Product images:



Circular map for RC225953