

Product datasheet for **RC224456**

NT5DC3 (NM_016575) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	NT5DC3
Synonyms:	GNN, FLJ11266, TU12BITY, TU12BI-TY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC224456 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACCATGGCAGCGCGCGGTGGTGGCACGCGGGCGGGGCGAGGGCAGCGACAGCGCGGCTTTGC
 GGGGTGGCTGCGGGACCGCGCTCGGGGGCGGCCGTGTGCGGGCCCCCGCCGGCCCTTGTGCACTGCACC
 CGGGACCGCCCCGACATGAAGCGCTACCTGTGGGAGCGCTACCGGGAGGCGAAGAGAAGCAGAGAAGAA
 TTGGTTCCTCCATTATGAGCAACTTGTGAATCCAGATGCCATTTCTCAAACAATGAAATGAGCCTGT
 CAGACATTGAAATCTATGGCTTCGATTATGATTACACCTTGGTGTTCATCAAGCACCTCCACACGCT
 GATATTTAATGCTGCACGGGACCTTCTCATCAATGAACACCGGTATCCAGCAGAAATCAGGAAGTATGAG
 TATGACCCAAATTTGCAATTCGTGGACTTCATTATGATGTACAGCGGGCAGTATTAATGAAGATCGATG
 CTTTTATTATATCCAGCTGGGAATGTCTACAGAGGCTCAGTGTTCCTGATGAAGAAGTCATTGA
 AATGTACGAGGGTCCACGTGCCCTTGGAGCAGATGAGTGACTTTACGGAAGAGCTCTCATGGAAC
 ACGATGAAGCAGTTCATGGACATCTTCTCCCTGCCGAGATGACCTCCTGTCTGCGTGAATGAATACT
 TCCTCAAGAACAACATCGACTATGAGCCTGTGCATCTGTACAAAGATGTCAAGGATTCAATTCGAGACGT
 CCACATCAAGGAATAATGTACAGAGCAATTGAAGCAGACATTGAAAGTACATCTGCTATGCTGAGCAG
 ACCCGCGCAGTGTGGCCAACTGGCTGATCATGGCAAGAAGATGTTTCTCATCACAATAGCCCCAGTA
 GCTTTGTGGACAAAGGATGAGTTATATCGTTGGGAAAGACTGGAGGGACCTGTTTCGATGTGGTCAATTGT
 TCAGGCTGAGAAGCCAACTCTTTAATGATAAGCGGAGGCCTTTCCGAAAGATGAATGAGAAAGGTGTC
 TTAATCTGGGATAAAATCCATAAGTTCAGAAAGGCCAGATATACAAGCAGGGTAATTTATATGAATTTT
 TGAAGCTTACTGGATGGAGAGGATCCAGAGTGTGTATTTGGTGACCATATATACAGTGACCTGGCGGA
 TTTGACCTTAAAGCATGGCTGGAGGACTGGTGCAATCATCCAGAGTTGAGATCTGAGCTCAAAATCATG
 AACACGGAGCAATACATTCAAACCATGACCTGGCTGCAGACCTTGACTGGCTTATTGGAACAGATGCAGG
 TTCACAGAGATGCTGAGTCACAGCTGGTTTTGCAGGAGTGGAAAAAGGAAAGGAGATGCGGAGAAAT
 GACCAAGAGTTTCTCAATGCCAGTTTGAAGCCTGTTCCGCACAGACCAGAACCCAACTACTTCCTA
 AGGCGCCTGTCGCGCTTCGCTGACATCTACATGGCGTCTCTGAGCTGCCTCCTGAACTATGACGTACGCC
 ACATTTCTACCCCGGAGGACTCCACTGCAGCACGAAGTCCCGCCTGGTCAGAAAGGCCCCCACTT
 CGGAACCCCTCTCTGCAGGAGGCCAGGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224456 protein sequence
 Red=Cloning site Green=Tags(s)

MTMAAAVAVARGAGARAATAAALRGCGTAARGRPCAGPARPLCTAPGTAPDMKRYLWERYREAKRSTEE
 LVPSIMSNLLNPDAIFSNEMSLSDIEIYGFDDYTLVFYSKHLHTLIFNAARDLLINEHRYPAEIRKYE
 YDPNFAIRGLHYDVQRAVLMKIDAFHYIQLGTVYRGLSVVPDEEVIEMEGSHVPLEQMSDFYKSSHGN
 TMKQFMDIFSLPEMTLLSCVNEYFLKNNIDYEPVHLYKDVKDSIRDVHIKIMYRAIEADIEKYICYAEQ
 TRAVLAKLADHGKMKMLITNSPSSFVDKGMSYIVGKDWRDLFDVVIVQAEKPNFFNDKRRPFRKMNEKGV
 LLWDKIHLKQKQIYKQGNLYEFLKLTGWRGSRVL YFGDHIYSDLADLTLKHGWRGTGAIPELRSCLKIM
 NTEQYIQTMTWLQTLTGLLEQMQVHRDAESQLVLQEWKKERKEMREMTKSFFNAQFGLFRDQNPITYFL
 RRLSRFADIYMASLSCLLNVDVSHTFYPRRTPLQHELPAWSERPPTFGTPLLQEAQAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6671_b03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016575

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:

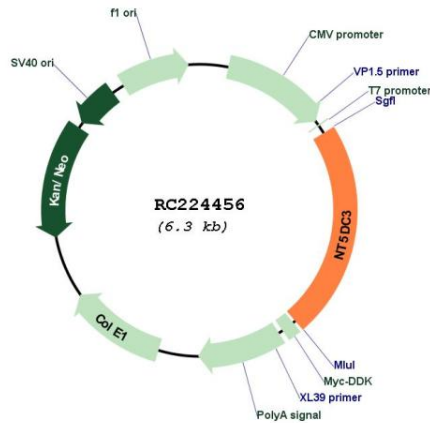
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store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

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

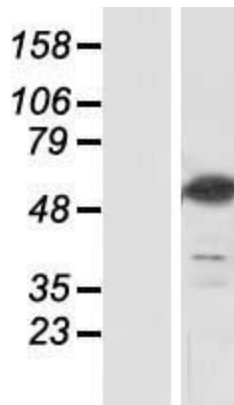
RefSeq: [NM_016575.1](#), [NP_057659.1](#)

RefSeq Size: 7028 bp
 RefSeq ORF: 1421 bp
 Locus ID: 51559
 Cytogenetics: 12q23.3
 MW: 63.4 kDa

Product images:



Circular map for RC224456



Western blot validation of overexpression lysate (Cat# [LY413897]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224456 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).