

## Product datasheet for RC204265

### NT5C (NM\_014595) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NT5C (NM\_014595) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** NT5C  
**Synonyms:** cdN; DNT; dNT-1; DNT1; HEL74; P5N2; PN-I; PN-II; UMPH2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC204265 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGCGGAGCGTGCCTGCTGGTGGACATGGACGGCGTCCTGGCCGACTTCGAGGCCGGCTCCTGC  
 GGGGCTCCGCCCGCTTCCCTGAGGAGCCGACGTGCCGCTGGAGCAGCGCCGCGCTTCTGGCCCG  
 CGAGCAGTACCGGCCCTGCGGCCGACCTGGCGGATAAAGTGGCAGTGTGTACGAAGCCCGGGCTTT  
 TTCTGGACTGGAGCCATCCCGGAGCCTTGGACGCTGTGCGGGAGATGAACGACCTACCGACACGC  
 AGGTCTTCATCTGCACCAGCCCTGCTGAAGTACCACCCTGTGTGGGTGAGAAGTACCGCTGGGTGGA  
 GCAGCACCTGGGCCCCAGTTCGTAGAACGAATTATCCTGACAAGGACAAGACGGTGGTCTGGGGGAC  
 CTGCTCATTGATGACAAGGACACAGTTCGAGGCCAGGAGGAGACCCCAAGCTGGGAGCACATCTTGTCA  
 CCTGCTGCCACAATCGGCACCTGGTCTGCCCCGACAAGGAGACGGCTGCTCTCTGGAGTGACAACCTG  
 GAGGGAGATCTTAGATAGCAAGCGCGGAGCTGCGCAGCGGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC204265 protein sequence  
 Red=Cloning site Green=Tags(s)

MARSVRVLVMDGVLADFEAGLLRGFRRRFPEEPHPLEQRRGFLAREQYRALRPDLADKVASVYEAPGF  
 FLDLEIPGALDAVREMNDLPDTQVFICTSPLLKYHHCVGEKYRWVEQHLGPQFVERIILTRDKTVVLGD  
 LLIDDKDTRVGRQEETPSWEHILFTCCHNRHLVLPPTRRRLLSWSDNWREILDSKRGAAQRE

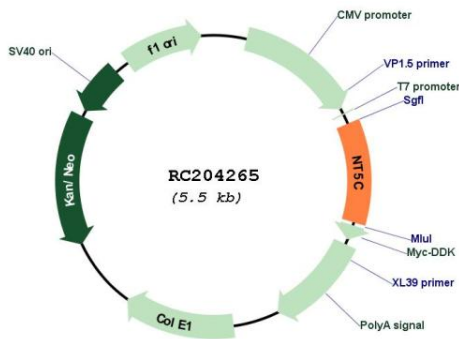
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



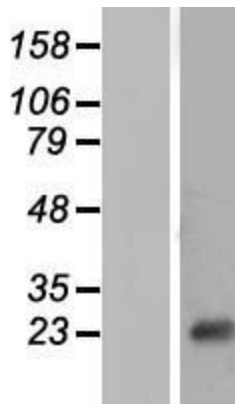


**UniProt ID:** [Q8TCD5](#)  
**Cytogenetics:** 17q25.1  
**Protein Families:** Transcription Factors  
**Protein Pathways:** Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism  
**MW:** 23.4 kDa  
**Gene Summary:** This gene encodes a nucleotidase that catalyzes the dephosphorylation of the 5' deoxyribonucleotides (dNTP) and 2'(3')-dNTP and ribonucleotides, but not 5' ribonucleotides. Of the different forms of nucleotidases characterized, this enzyme is unique in its preference for 5'-dNTP. It may be one of the enzymes involved in regulating the size of dNTP pools in cells. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2011]

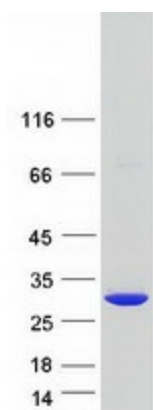
**Product images:**



Circular map for RC204265



Western blot validation of overexpression lysate (Cat# [LY415175]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204265 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NT5C protein (Cat# [TP304265]). The protein was produced from HEK293T cells transfected with NT5C cDNA clone (Cat# RC204265) using MegaTran 2.0 (Cat# [TT210002]).