

## Product datasheet for **SC330285**

### NT5C (NM\_001252377) Human Untagged Clone

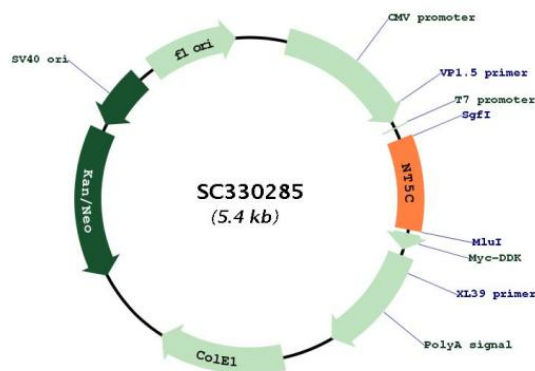
#### Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C (NM_001252377) Human Untagged Clone
Tag:	Tag Free
Symbol:	NT5C
Synonyms:	cdN; DNT; dNT-1; DNT1; HEL74; P5N2; PN-I; PN-II; UMPH2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330285 representing NM_001252377. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGCGGAGCGTGC GCGTGCTGGTGGACATGGACGGCGTCTGGCCGACTTCGAGGCCGGCTCCTG
CGGGGCTCCGCCCGCTTCCCTGAGGAGCCGCACGTGCCGCTGGAGCAACGCCGGCTTCTGGCC
CGCGAGCAGTACCGCCCTGCGGCCGACCTGGCGGATAAAGTGGCCAGTGTGTACGAAGCCCCGGGC
TTTTTCTGGACCTGGAGCCCATCCCGGAGCCTTGGACGCTGTGCGGGAGATGAACGACCTACCGGAC
ACGCAGGTCTTCATCTGCACCAGCCCCCTGCTGAAGTACCACCACTGTGTGGGTGAGAAGGAGGAGACC
CCAAGCTGGGAGCACATCTTGTTCACCTGCTGCCACAATCGGCACCTGGTCTGCCCCGACAAGGAGA
CGGCTGCTCTCCTGGAGTGACAACTGGAGGAGATCTTAGATAGCAAGCGCGGAGCTGCGCAGCGGGAA
TGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



[View online »](#)

<b>ACCN:</b>	NM_001252377
<b>Insert Size:</b>	486 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001252377.1</a>
<b>RefSeq Size:</b>	855 bp
<b>RefSeq ORF:</b>	486 bp
<b>Locus ID:</b>	30833
<b>UniProt ID:</b>	<a href="#">Q8TCD5</a>
<b>Cytogenetics:</b>	17q25.1
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism
<b>MW:</b>	18.7 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame coding exon, and uses an alternate in-frame acceptor splice site at the 3' terminal exon compared to variant 1. This results in a shorter isoform (2) missing an internal protein segment compared to isoform 1.</p>