

Product datasheet for **SC300387**

NT5C3 (NT5C3A) (NM_001002009) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C3 (NT5C3A) (NM_001002009) Human Untagged Clone
Tag:	Tag Free
Symbol:	NT5C3
Synonyms:	cN-III; hUMP1; NT5C3; P5'N-1; P5N-1; p36; PN-I; POMP; PSN1; UMPH; UMPH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001002009 edited

```
ATGACTAATCAAGAGTCTGCCGTACATGTGAAAATGATGCCAGAATCCAGAAAAGTTCA
GTTTCGAATCAAGAACCCTACAAGAGTAGAAGAAATTATCTGTGGTCTTATCAAAGGAGGA
GCTGCCAAACTTCAGATAATAACGGACTTTGATATGACACTCAGTAGATTTTCATATAAA
GGGAAAAGATGCCCAACATGTCATAATATCATTGACAACTGTAAGCTGGTTACAGATGAA
TGTAGAAAAAGTTATTGCAACTAAAGGAAAAATATTACGCTATTGAAGTTGATCCTGTT
CTTACTGTAGAAGAGAAGTACCCTTATATGGTGGAAATGGTATACTAAATCACATGGTTTG
CTTGTTTCAGCAAGCTTTACCAAAGCTAAACTTAAAGAAATTGTGGCAGAATCTGACGTT
ATGCTCAAAGAAGGATATGAGAATTTCTTTGATAAGCTCCAACAACATAGCATCCCCGTG
TTCATATTTTCGGCTGGAATCGGCGATGTACTAGAGGAAGTTATTCGTCAGCTGGTGTT
TATCATCCAATGTCAAAGTTGTGTCCAATTTTATGGATTTTGTGAAACTGGGGTGCTC
AAAGGATTTAAAGGAGAATAATTCATGTATTTAACAAACATGATGGTGCCTTGAGGAAT
ACAGAATATTTCAATCAACTAAAAGACAATAGTAACATAATTTCTTCTGGGAGACTCCCAA
GGAGACTTAAGAAATGGCAGATGGAGTGGCCAATGTTGAGCACATTCTGAAAATTGGATAT
CTAAATGATAGAGTGGATGAGCTTTTAGAAAAGTACATGGACTCTTATGATATTGTTTTA
GTACAAGATGAATCATTAGAAGTAGCCAACCTCTATTTTACAGAAGATTCTATAA
```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001002009 unedited TGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGCGCTTCCGAGACTCGCAG TCTACGCGAGCTGCCTGTTTTTTCCTGCTTGGACGCGCATGAGGGCCCCGTCCATGGAC CGCGCGGCCGTGGCGAGGGTGGGCGCGGTAGCGAGCGCCAGCGTGTGCGCCCTGGTGGCG GGGGTGGTGTGGCTCAGTACATATTACCTTGAAGAGGAAGACGGGGCGGAAGACCAAG ATCATCGAGATGAAGATTGGATAACCAAGAAATGACTAATCAAGAGTCTGCCGTACATGT GAAAATGATGCCAGAATCCAGAAAAGTTCAGTTCGAATCAAGAACCCTACAAGAGTAGA AGAAATTATCTGTGGTCTTATCAAAGGAGGAGCTGCCAACTTCAGATAATAACGGACTT TGATATGACACTCAGTAGATTTTCATATAAAGGGAAAAGATGCCCAACATGTCATAATAT CATTGACAACCTGTAAGCTGGTTACAGATGAATGTAGAAAAAGTTATTGCAACTAAAGGA AAAATATTACGCTATTGAAGTTGATCCTGTTCTTACTGTAGAAGAGAAGTACCCTTATAT GGTGAATGGTATACTAAATCACATGGTTTGGCTTGTTCAGCAAGCTTTACCAAAAGCTA AACTTAAAGAAATGTGGCAGAATNCTGACGTTATGCTCAAAGAAGGGATATGAGATTT CTTTGATAAGCTNCAACACATAGCATTCCCGTGTTCATATTTTTCGGCTGGATCGGGCG ATGTCTANNAGGAGTNATTCGTAAGCCTGGTGTATCATCCATGTCCAAAGGTGGGTC AATTTTTAGTGATTTTGATGAACAAGGGGTGCTCAAAGAATTTAAGGAGACTAATNTT GTATTTACAACATGAAGGGG</p>
3' Read Nucleotide Sequence:	<p>>Forward primer walk for NM_001002009 unedited TTACTAATACAGGTTTGCTTGTTCANCAAGCTTTACCAAAAGCTAACTTAAAGAATTGT GGCAGAATCTGACGTTATGCTCAAAGAAGGAATGAGAATTTCTTTGATAAGCTCCAACAA CATAGCATCCCCGTGTTTCATATTTTCGGCTGGAATCGGCGATGTACTAGAGGAAGTTATT CGTCAAGCTGGTGTTCATCCCAATGTCAAAGTTGTGTCCAATTTTATGGATTTTGAT GAAACTGGGGTGCTCAAAGGATTTAAAGGAGAACTAATTCATGTATTTAACAAACATGAT GGTGCCTTGAGGAATACAGAATATTTCAATCAACTAAAAGACAATAGTAACATAATTCTT CTGGGAGACTCCCAAGGAGACTTAAAGATGGCAGATGGAGTGGCCAATGTTGAGCACATT CTGAAAATTGGATATCTAAATGATAGAGTGGATGAGCTTTTAGAAAAGTACATGGACTCT TATGATATTGTTTTAGTACAAGATGAATCATTAGAAGTAGCCAACCTATTTTACAGAAG ATTCTATAAACAAGCATTCTCCAAGAAGACCTCTCTCCTGTGGGTGCAATTGAACTGTTC ATCCGTTTCATCTGTCTGAGAGACTTATTTATAATATATCCTTACTCTCGAAGTGTTCCT TTGTATAACTGAAGTATTTTCAGATATGGTGAATGCATTGACTGGAAGCTCCTTTTCTCC ACCTCTCTCAACACACTCCTTACCGTATCTTTTTAACCATTTAAAAAAGCTANA ATTAGAAAAATAACTCCCTACTTTTTCCAAGTGAATTTTGTAC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001002009
Insert Size:	1700 bp
OTI Disclaimer:	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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<ol style="list-style-type: none">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_001002009.1 , NP_001002009.1
RefSeq Size:	1743 bp
RefSeq ORF:	894 bp
Locus ID:	51251
UniProt ID:	Q9H0P0
Cytogenetics:	7p14.3
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism
Gene Summary:	<p>This gene encodes a member of the 5'-nucleotidase family of enzymes that catalyze the dephosphorylation of nucleoside 5'-monophosphates. The encoded protein is the type 1 isozyme of pyrimidine 5' nucleotidase and catalyzes the dephosphorylation of pyrimidine 5' monophosphates. Mutations in this gene are a cause of hemolytic anemia due to uridine 5-prime monophosphate hydrolase deficiency. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and pseudogenes of this gene are located on the long arm of chromosomes 3 and 4. [provided by RefSeq, Mar 2012]</p> <p>Transcript Variant: This variant (2) includes an alternate internal exon in the 5' region and initiates translation at an alternate start codon, compared to variant 1. Variants 2 and 3 encode the same isoform (2), which is shorter and has a distinct N-terminus, compared to isoform 1.</p>