

Product datasheet for **SC327437**

NT5C3 (NT5C3A) (NM_001166118) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C3 (NT5C3A) (NM_001166118) 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:	<p>>NCBI ORF sequence for NM_001166118, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGCCAGAATTCAGAAAAGTTCAGTTCGAATCAAGAACCCTACAAGAGTAGAAGAAATT ATCTGTGGTCTTATCAAAGGAGGAGCTGCCAACTTCAGATAATAACGGACTTTGATATG ACACTCAGTAGATTTTCATATAAAGGAAAAGATGCCCAACATGCATAATATCATTGAC AACTGTAAGCTGGTTACAGATGAATGTAGAAAAAGTTATTGCAACTAAAGGAAAAATAT TACGCTATTGAAGTTGATCCTGTTCTTACTGTAGAAGAGAAGTACCCTTATATGGTGGA TGGTATACTAAATCACATGGTTTGCTTGTTCAGCAAGCTTTACCAAAAGCTAACTTAA GAAATTGTGGCAGAATCTGACGTTATGCTCAAAGAAGGATATGAGAATTTCTTTGATAAG CTCCAACAACATAGCATCCCGTGTTTCATATTTTCGGCTGGAATCGGCGATGTAAGAG GAAGTTATTTCGTAAGCTGGTGTTCATCCCAATGTCAAAGTTGTGTCCAATTTTATG GATTTTGATGAACTGGGGTGCTCAAAGGATTTAAAGGAGAACTAATTCATGTATTTAAC AAACATGATGGTGCCTTGAGGAATACAGAATATTTCAATCAACTAAAAGACAATAGTAAC ATAATTCCTTGGGAGACTCCCAAGGAGACTTAAGAATGGCAGATGGAGTGGCCAATGTT GAGCACATTCTGAAAAATTGGATATCTAAATGATAGAGTGGATGAGCTTTAGAAAAGTAC ATGGACTCTTATGATATTGTTTTAGTACAAGATGAATCATTAGAAGTAGCCAACCTCTATT TTACAGAAGATTCTA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001166118
Insert Size:	1932 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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001166118.1 , NP_001159590.1
RefSeq Size:	1932 bp
RefSeq ORF:	1932 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 (4) differs in the 5' UTR, includes two alternate internal exons, and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus, compared to isoform 1. Variants 4 and 5 both encode the same isoform (3).</p>