

Product datasheet for **SC310267**

NT5C2 (NM_012229) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C2 (NM_012229) Human Untagged Clone
Tag:	Tag Free
Symbol:	NT5C2
Synonyms:	cN-II; GMP; NT5B; PNT5; SPG45; SPG65
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_012229 edited
 GTTGTGGCCGTGCGCTGGAGCCGAGTTTCGCTCTGCTGCCAGGCTGGAGTACAGTGAT
 GTGATCTCCTGACGTCAAGTGATCCATTGCGCTCGGCCTCCCAAAGTTCTGGATTACAA
 GTAATACAAAATACAGTTAATAAAAATGTCAACCTCCTGGAGTGATCGGTTACAGAATGCA
 GCAGATATGCCTGCTAACATGGATAAGCATGCCCTGAAAAAGTATCGTCGAGAAGCCTAT
 CATCGGGTGTGGTGAACCGAAGTTTAGCAATGGAAAAGATAAAGTGTGGTTTGGTTTGGAT
 ATGGATTATACCCTTGCTGTGTACAAGTCCCCAGAGTATGAGTCCCTTGGTTTTGAGCTT
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 TCTACATTCCTACCAGGGGACTTGTCTTTGACACACTGTATGGAAATCTTTTAAAAGTC
 GATGCCTATGGAAACCTCTTGGTCTGTGCACATGGATTTAACTTTATAAGGGGACCAGAA
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 CGTCCAGACATCAGTCCATCCAGAGACGTATTAAGAAAGTAACTCATGACATGGACATG
 TGCTATGGGATGATGGGAAGCCTGTTTCGCAGTGGCTCCCGGCAGACCCTTTTTGCCAGT
 CAAGTGATGCGTTATGCTGACCTCTATGCAGCATCTTTCATCAACCTGCTGATTACCCT



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TTCAGCTACCTCTTCAGGGCTGCCCATGTCTTGATGCCTCATGAATCAACGGTGGAGCAC
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ATAGACTCTTTTAAACCATTGTATATTTTCTCCATTCTTGCATTGGTCAATAGGGG
AGGGTAGATTAGCTGCTCCAGAATCAATAAAGTGAATATTTCTAAAAAAAAAAAAAAAA
AAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_012229
- Insert Size:** 3400 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 ORF of this clone has been fully sequenced and found to be a perfect match to NM_012229.2.
- 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.

RefSeq: [NM_012229.2](#), [NP_036361.1](#)

RefSeq Size: 3364 bp

RefSeq ORF: 1686 bp

Locus ID: 22978

UniProt ID: [P49902](#)

Cytogenetics: 10q24.32-q24.33

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism

Gene Summary: This gene encodes a hydrolase that serves as an important role in cellular purine metabolism by acting primarily on inosine 5'-monophosphate and other purine nucleotides. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (1) encodes isoform 1. Variants 1-3 encode the same protein (isoform 1).