

Product datasheet for **SC300386**

NT5C1B (NM_001002006) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C1B (NM_001002006) Human Untagged Clone
Tag:	Tag Free
Symbol:	NT5C1B
Synonyms:	AIRP; CN-IB; CN1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

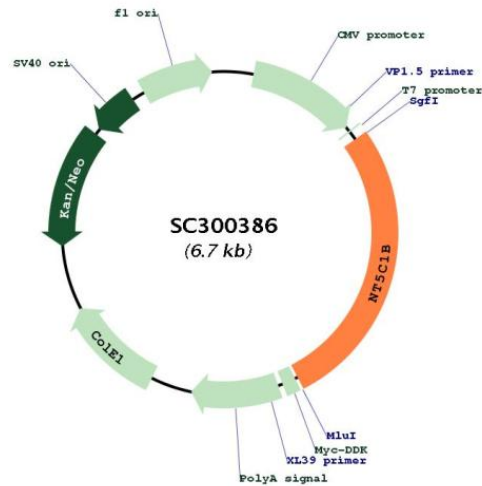


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Fully Sequenced ORF: >SC300386 representing NM_001002006.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGTCAAACATCTCTCAAACAGAAAAGAATGAGCCTGGAATGAGGTCTCAAAGAGAGTCTAGAA
GCAGAAAAAAGAAGGAATCTGACAAAACAGGAGTTCGTCTGAGCAATCAGATGAGGCGTGCAGTCAAT
CCGAATCACTCGCTGAGATGTTGCCCTCCAGGGTCACTCGTCGTGTAGACGCTGCCTTTGTGCAGCT
GAGGGAACAGCCCTTGCCCTGCCACACAATACGTATTTATATTACATGTGCCTGTTGTGGGAGCAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001002006

Insert Size: 1833 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: 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:

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_001002006.2](#)

RefSeq Size: 2898 bp

RefSeq ORF: 1833 bp

Locus ID: 93034

UniProt ID: [Q96P26](#)

Cytogenetics: 2p24.2

Protein Pathways:	Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism
MW:	68.8 kDa
Gene Summary:	Cytosolic 5-prime nucleotidases, such as NT5C1B, catalyze production of adenosine, which regulates diverse physiologic processes (Sala-Newby and Newby, 2001 [PubMed 11690631]). [supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) encodes isoform 1.