

## Product datasheet for **RC231329**

### NT5C1B (NM\_001199086) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C1B (NM_001199086) Human Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide Sequence:**

>RC231329 representing NM\_001199086  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTCAAACATCTCTCAAACAGAAAAAAGATGAGCCTGGAATGAGGTCCTCAAAGAGAGTCTAGAAG  
 CAGAAAAAAGAAAGGAATCTGACAAAACAGGAGTTCGTCTGAGCAATCAGGGTCACTCGTCGTAGACG  
 CTGCCCTTTGTGCAGCTGAGGGAACAGCCCTTGCCCTGCCACACAATACGTATTTATATTCACATGTGC  
 CTGTTGTGGGAGCAGGGCCAGCAGATCACCATGATGAGGGGATCACAAGAATCATCACTGCGGAAGACAG  
 ACTCTCGAGGGTACCTTGTGCGCAGTCAATGGTCTAGAATATCCCGAGGCCATCCACCAAGGCTCCATC  
 CATAGATGAGCCTAGAAGCAGGAACACCAGTGCTAAGCTCCCGAGCAGCTCCACGAGCTCCCGGACTCCA  
 TCCACCTCCCAAGCCTGCATGACTCCTACCGCCCGCTGTCCGGGCAGCCCTCGCTCCAGCCACCCG  
 CGTCGCCCCAGCTGCCCGGTGCTGGACTCGCGGCTCCACGCCCCAGAGCCCGATCCTGGCTCCCG  
 GCGCAGCACAAAATGCAAGAGAATCCGGAGGCCTGGGCCAAGGCATCGTGCGGGAAATCCGCCAGACC  
 CGGGACTCGCAGCCGCTGGAATATTCGCGCACGTCCCCACCGAGTGGAAGTCTCCAGCCAGCGCAGGG  
 GGATCTACCCCGCTCCACCCAGCTGGACCGCAACTCTGTGTCGAGCAGCAGCAGCAGCAGCGGGAGGA  
 CGAGGACGACTACGAGGCTGCCTACTGGGCATCCATGAGGTGTTCTACGAGAAGAACCCGAGTCTCG  
 CGCCCCCTGGCCGCCCCAACCAAGAAGCCATCACCATTGCTCTCTCATCTGCGCGCTCTTCAACATGG  
 TGGACGGCAGGAAAATCTACGAGCAAGAGGGTCTGAAAAGTACATGGAGTATCAGCTCACCAATGAGAA  
 CGTCATCTGACCCCGGGCCCGGCTCCGCTTCGTCAAGGCACTACAGTATGTCAATGCTAGACTCCGT  
 GATCTATCTGATGAACAGGACTTATTTGATATTGACTGATGACTAATAACCATGCCAAGTGGGAG  
 TGCCGGTTATAAACAGCGTCACTACTACGGCTTACTGATTGACCGCTTGTGTGACCCGGGAAAAGA  
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 GCAATACAAGAAGGTATTGCCTCTGCGACAATGTTTGTGAGGCCAAAGACATGGCTTACTGTGACTC  
 AGCTCCGTGTAGCCTTTGATGGGGATGCTGCTCTTCTCTGATGAGTCTGAACATTTTACCAAGGAGCA  
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 GGCTTTCTGGAAGATTTAGGCAGACTGCAAAAGAAGTTCTATGCCAAAAATGAACGGTTACTTTGCTTA  
 TCAGGACCTACCTGGTTACAGCTAGGAGTGCAGCCAGTTCAGGCGCCCGTGTGCTGAAGACCCCTCGACG  
 CTGGGGTCTAGAGATAGACGAAGCTCTTTCTTCTGCTGGAGCCCCAAAAGTCCCATCTTGGTGAAGATC  
 CGCCCCACATCTCTTTGATGACCACATGTTCCACATTGAAGGGGCACAGAGGTTAGGTTCCATCGCAG  
 CTTATGGCTTTAATAAAAAATTCAGTAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC231329 representing NM\_001199086  
 Red=Cloning site Green=Tags(s)

MSQTSLKQKNEPGMRSSKESLEAEKRKESDKTGVRLSNQGHSSCRRCLCAAEGTALGPCHTIRIYIHMC  
 LLWEQQQITMMRGSQESSLRKTDSDRGLVRSQWSRISRSPSTKAPSIDEPRSRNTSAKLSSSTSSRTP  
 STSPSLHDSSPPPLSGQPSLQPPASPQLPRSLDSRPPTPPEPDPGSRSTKMENPEAWAQGIVREIRQT  
 RDSQPLEYSRTPTEWSSSQRRIYPASTQLDRNSLSEQQQQREDEDDYEAAYWASMRSFYEKNPSCS  
 RPWPPKPKNAITIALSSCALFNMVDGRKIYEQEGLEKMEYQLTNENVILTPGPAFRFVKALQYVNARLR  
 DLYPDEQDLFDIVLMTNNHAQVGVRLINSVNHYGILLIDRFCLTGGKDPGYLKAYLTNL YIAADSEKVE  
 AIQEGIASATMFDGAKDMAYCDTQLRVAFDGDVLF SDESEHFTKEHGLDKFFQYDTLCE SKPLAQGPLK  
 GFLEDLGR LQKFKYAKNERLLCP IRTYLV TARS AASSGARV LKTLRRWGLEIDEALFLAGAPKSPILVKI  
 RPHIFFDDHMFHIEGAQRLGSI AAYGFNKKFSS

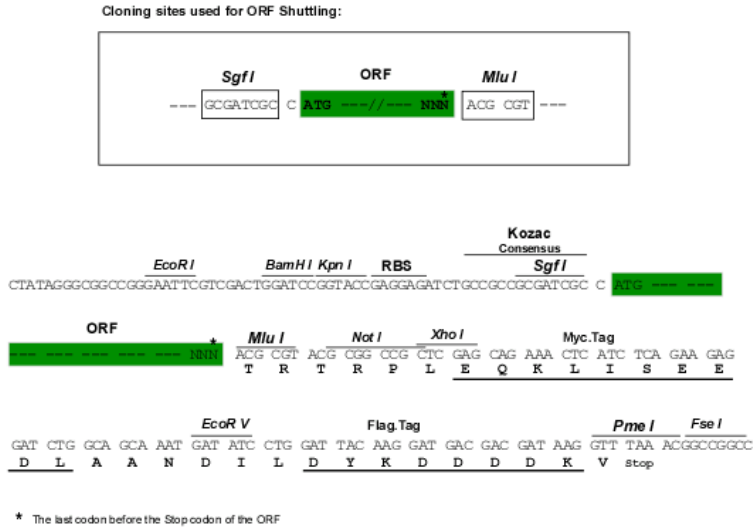
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8068\\_h03.zip](https://cdn.origene.com/chromatograms/mk8068_h03.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001199086

ORF Size: 1779 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001199086.2](#)

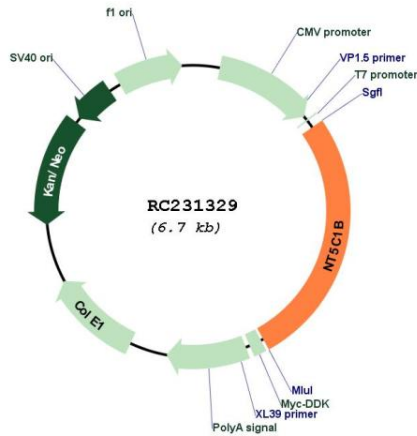
RefSeq ORF: 1782 bp

Locus ID: 93034

UniProt ID: [Q96P26](#)

<b>Cytogenetics:</b>	2p24.2
<b>Protein Pathways:</b>	Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism
<b>MW:</b>	67.2 kDa
<b>Gene Summary:</b>	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]

**Product images:**



Circular map for RC231329