

Product datasheet for **RG231329**

NT5C1B (NM_001199086) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C1B (NM_001199086) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NT5C1B
Synonyms:	AIRP; CN-IB; CN1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG231329 representing NM_001199086
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCAAACATCTCTCAAACAGAAAAAAGATGAGCCTGGAATGAGGTCCTCAAAGAGAGTCTAGAAG
 CAGAAAAAGAAAGGAATCTGACAAAACAGGAGTTCGTCTGAGCAATCAGGGTCACTCGTCGTGTAGACG
 CTGCCCTTTGTGCAGCTGAGGGAACAGCCCTTGCCCTGCCACACAATACGTATTTATATTCACATGTGC
 CTGTTGTGGGAGCAGGGCCAGCAGATCACCATGATGAGGGGATCACAAGAATCATCACTGCGGAAGACAG
 ACTCTCGAGGGTACCTTGTGCGCAGTCAATGGTCTAGAATATCCCGAGGCCATCCACCAAGGCTCCATC
 CATAGATGAGCCTAGAAGCAGGAACACCAGTGCTAAGCTCCCCAGCAGCTCCACGAGCTCCCGGACTCCA
 TCCACCTCCCAAGCCTGCATGACTCCTACC GCCCGCGCTGCCGGCAGCCCTCGCTCCAGCCACCCG
 CGTCGCCCCAGCTGCCCGGTGCTGGACTCGCGGCTCCACGCCCCAGAGCCCGATCCTGGCTCCCG
 GCGCAGCACAAAATGCAAGAGAATCCGGAGGCCTGGGCCAAGGCATCGTGCGGGAAATCCGCCAGACC
 CGGGACTCGCAGCCGCTGGAATATTCGCGCACGTCCCCACCCAGTGGAAGTCTCCAGCCAGCGCAGGG
 GGATCTACCCCGCTCCACCCAGCTGGACCGCAACTCTGTGCCGAGCAGCAGCAGCAGCAGCGGGAGGA
 CGAGGACGACTACGAGGCTGCCTACTGGGCATCCATGAGGTGTTCTACGAGAAGAACCCGAGTCTCG
 CGCCCCCTGGCCGCCCCAACCCAAAGAAGCCATCACCATTGCTCTCTCATCTGCGCGCTCTTCAACATGG
 TGGACGGCAGGAAAATCTACGAGCAAGAGGGTCTGAAAAGTACATGGAGTATCAGCTCACCAATGAGAA
 CGTCATCTGACCCCGGGCCCGGCTCCGCTTCGTCAAGGCACTACAGTATGTCAATGCTAGACTCCGT
 GATCTATCTGATGAACAGGACTTATTTGATATTGACTGATGACTAATAACCATGCCAAGTGGGAG
 TGCCGCTTATAAACAGCGTCACTACTACGGCTTACTGATTGACCGCTTCTGTGCTGACCGGGGAAAGA
 CCCATTGGCTATTTGAAGGCATATCTTACCAACTTGTATATTGCTGCAGATTCTGAAAAAGTCAAGAG
 GCAATACAAGAAGGTATTGCCTCTGCGACAATGTTTGTGGAGCCAAAGCATGGCTTACTGTGACTC
 AGCTCCGTGTAGCCTTTGATGGGGATGCTGCTCTTCTCTGATGAGTCTGAACATTTTACCAAGGAGCA
 TGGGCTCGACAAATTTCCAGTATGATACATTATGTGAAAGTAAGCCTTTGCTCAGGGTCCCCTAAAA
 GGCTTTCTGGAAGATTTAGGCAGACTGCAAAAGAAGTTCTATGCCAAAAATGAACGGTTACTTTGCTTA
 TCAGGACCTACCTGGTTACAGCTAGGAGTGCAGCCAGTTCAGGCGCCCGTGTGCTGAAGACCCCTCGACG
 CTGGGGTCTAGAGATAGACGAAGCTCTTTCTTCTGCTGGAGCCCCAAAAGTCCCATCTTGGTGAAGATC
 CGCCCCACATCTCTTTGATGACCACATGTTCCACATTGAAGGGGCACAGAGGTTAGGTTCCATCGCAG
 CTTATGGCTTTAATAAAAAATTCAGTAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG231329 representing NM_001199086
 Red=Cloning site Green=Tags(s)

MSQTSLKQKNEPGRSSKESLEAEKRKESDKTGVRLSNQGHSRRCCLCAAEGTALGPCHTIRIYIHM
 LLWEQGGQITMMRGSQESSLRKTDSDRGYLVRSQWSRISRSPSTKAPSIDEPSSRNTSAKLPSSSTSSRTP
 STSPSLHDSSPPPLSGQPSLQPPASPQLPRSLDSRPPTPEPDPGSRSTKMQENPEAWAQGIVREIRQT
 RDSQPLEYSRTPTEWSSSRRGIYPASTQLDRNSLSEQQQQREDEDDYEAAYWASMSRIFYEKNPSCS
 RPWPPKPKNAITIALSSCALFNMVDGRKIYEQEGLEKMEYQLTNENVILTPGPAFRFVKALQYVNARLR
 DLYPDEQDLFDIVLMTNHAQVGVRLINSVNHYGLLIDRFCLTGGKDPYGLKAYLTNL YIAADSEK VQE
 AIQEGIASATMFDGAKDMAYCDTQLRVAFDGDVLFSDSEHFTKEHGLDKFFQYDTLCEKPLAQGPLK
 GFLEDLGRLLQKIFYAKNERLLCPVRTYLVARSASSGARVYKTLRRWGLEIDEALFLAGAPKSPILVKI
 RPHIFFDDHMFHIEGAQRLGSIAYGFNKKFSS

TRTRPLE - GFP Tag - V

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 Size: 2847 bp

RefSeq ORF: 1782 bp

Locus ID: 93034

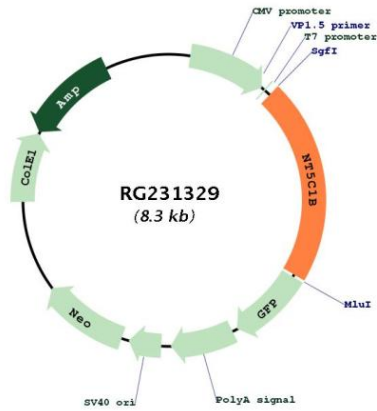
UniProt ID: [Q96P26](#)

Cytogenetics: 2p24.2

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

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]

Product images:



Circular map for RG231329