

Product datasheet for **RG231337**

NT5C1B (NM_001199088) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C1B (NM_001199088) 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:

>RG231337 representing NM_001199088
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTCAAACATCTCTCAAACAGAAAAAAGATGAGCCTGGAATGAGGTCCTCAAAGAGAGTCTAGAAG
 CAGAAAAAAGAAAGGAATCTGACAAAACAGGAGTTCGTCTGAGCAATCAGATGAGGCGTGCACTCAATCC
 GAATCACTCGCTGAGATGTTGCCCTTCCAGGGTCACTCGTCGTGTAGACGCTGCCTTTGTGCAGCTGAG
 GGAACAGCCCTTGGCCCTGCCACACAATACGTATTTATATTCACATGTGCCTGTTGTGGGAGCAGGGCC
 AGCAGATCACCATGATGAGGGGATCACAAGAATCATCACTGCGGAAGACAGACTCTCGAGGGTACCTTGT
 GCGCAGTCAATGGTCTAGAATATCCCGGAGCCATCCACCAAGGCTCCATCCATAGATGAGCCTAGAAGC
 AGGAACACCAGTCTAAGGTAGAGCTCCCAGCAGCTCCACGAGCTCCCGGACTCCATCCACCTCCCCAA
 GCCTGCATGACTCCTCACCGCCCGCTGTCCGGGAGCCCTCGTCCAGCCACCCGCTCGCCCCAGT
 GCCCGGTGCTGGACTCGCGGCTCCACGCCCCAGAGCCCGATCCTGGCTCCCGGCGCAGCACCAAA
 ATGCAAGAGAATCCGGAGGCTGGGCCAAGGCATCGTGCGGAAATCCGCCAGACCCGGGACTCGCAGC
 CGCTGGAATATTCGCGCACGTCCCCACCGAGTGGAACTCCTCCAGCCAGCGCAGGGGATCTACCCCGC
 CTCCACCCAGCTGGACCGCAACTCTGTCCGAGCAGCAGCAGCAGCGGGAGGACGAGGACGACTAC
 GAGGCTGCCTACTGGGCATCCATGAGGTCGTTCTACGAGAAGAACCCGAGCTGCTCGCGCCCTGGCCGC
 CCAAACCAAGAACGCCATCACCATTGCTCTCATCTCGCGCTCTTCAACATGGTGGACGGCAGGAA
 AATCTACGAGCAAGAGGGTCTGGAAAAGTACATGGAGTATCAGCTACCAATGAGAAGCTCATCTGACC
 CCGGCCCGCGCTCCGCTTCTGTAAGGCACTACAGTATGTCAATGCTAGACTCCGTGATCTATATCTG
 ATGAACAGGACTTATTTGATATTGACTGATGACTAATAACCATGCCAAGTGGGAGTCCGGCTTATAAA
 CAGCGTCAACTCACTACGGCTTACTGATTGACCGCTTCTGTCTGACCGGGGAAAAGACCCCATTTGGCTAT
 TTGAAGGCATATCTTACCAACTGTATATTGCTGCAGATTCTGAAAAAGTGAAGAGGCAATACAAGAAG
 GTATTGCCTCTGCGACAATGTTTGTGAGGCAAGACATGGCTTACTGTGACACTCAGCTCCGTGTAGC
 CTTTGTGAGGGATGCTGCTCTCTCTGATGAGTCTGAACATTTTACCAAGGAGCATGGCTCGACAAA
 TTCTTCCAGTATGATACATTATGTGAAAGTAAGCCTTGTCTCAGGGTCCCCTAAAAGGCTTTCTGGAAG
 ATTTAGGCAGACTGCAAAAGAAGTTCTATGCCAAAATGAACGGTACTTTGTCTATCAGGACCTACCT
 GGTACAGCTAGGAGTGCAGCCAGTTCAGGCGCCCGTGTGCTGAAGACCCTTCGACGCTGGGTCTAGAG
 ATAGACGAAGCTCTTTCTTGTGAGGCCCCAAAAGTCCCATCTTGGTGAAGATCCGGCCCCACATCT
 TCTTTGATGACCACATGTTCCACATTGAAGGGCACAGAGTTAGGTTCCATCGCAGCTTATGGCTTAA
 TAAAAAATTCAGTAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG231337 representing NM_001199088
 Red=Cloning site Green=Tags(s)

MSQTSLKQKNEPGRSSKESLEAEKRKESDKTGVRLSNQMRRVNPNSLRCCPFQGHSSCRRCLCAAE
 GTALGPCHTIRIYIHMCLLWEQQQITMMRGSQESSLRKTDSEYLVRSQWSRISRSPSTKAPSIDEP
 RNTSAKVELPSSSTSSRTPSTSPSLHDSPPPLSGQPSLQPPASPQLPRSLDSRPPTPEPDPGSRSTK
 MQENPEAWAQGIVREIRQTRDSQPLEYSRTSPTWKSQRRGIYPASTQLDRNSLSEQQQQREDEDDY
 EAAWASMRSFYEKNPSCSRPWPCKPKNAITIALSSCALFMVDGRKIYEQEGLEKMEYQLTNEVILT
 PGPAFRFVKALQYVNRRLDLYPDEQDLFDIVLMTNNAHQVGVRLINSVNHVGLLIDRFCLTGGKDP
 IGYLKAYLTNLYIAADSEKVEAIQEGIASATMFDGAKDMAYCDTQLRVAFDGDAVLFSESEHFTKEHGLDK
 FFQYDTLCESKPLAQGPLKGFLEDLGRLLQKFKYAKNERLLCPVRTYLVARSAASSGARVLKTLRRWGLE
 IDEALFLAGAPKSPILVKIRPHIFFDDHMFHIEGAQRLGSIAAYGFNKKFSS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001199088

ORF Size: 1836 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_001199088.2](#)

RefSeq Size: 2904 bp

RefSeq ORF: 1839 bp

Locus ID: 93034

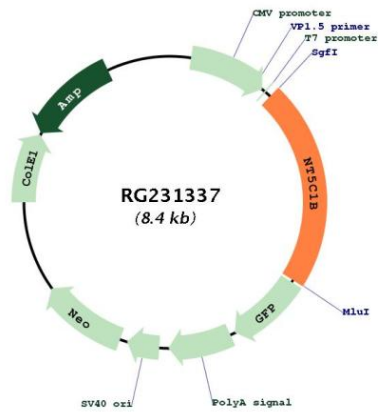
UniProt ID: [Q96P26](#)

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 RG231337