

Product datasheet for **RG231342**

NT5C1B (NM_001199087) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C1B (NM_001199087) 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:

>RG231342 representing NM_001199087
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCAAACATCTCTCAAACAGAAAAAAGATGAGCCTGGAATGAGGTCCTCAAAGAGAGTCTAGAAG
 CAGAAAAAGAAAGGAATCTGACAAAACAGGAGTTCGCTGAGCAATCAGATGAGGCGTGCACTCAATCC
 GAATCACTCGCTGAGATGTTGCCCTTCCAGGGTCACTCGTCGTGTAGACGCTGCCTTTGTGCACTGAG
 GGAACAGCCCTTGGCCCTGCCACACAATCGTATTTATATTCACATGTGCCTGTTGTGGGAGCAGGGCC
 AGCAGATCACCATGATGAGGGTGAAGCAGAGATCACACTACCGATTCTGGAGGGGAACCACAGACAACCTG
 GGGATCACAAGAATCATCACTGCGGAAGACAGACTCTCGAGGGTACCTTGTGCGCAGTCAATGGTCTAGA
 ATATCCCGAGCCATCCACCAAGGCTCCATCCATAGATGAGCCTAGAAGCAGGAACACCAGTGTAAAGC
 TCCCCAGCAGCTCCACGAGCTCCCGACTCCATCCACCTCCCCAAGCCTGCATGACTCCTCACCGCCGCC
 GCTGTCCGGGAGCCCTCGCTCCAGCCACCCGCTCGCCAGCTGCCCGGTGCTGGACTCGCGGCT
 CCCACGCCCCAGAGCCCGATCTGGCTCCCGGCGCAGCACAAAATGCAAGAGAATCCGGAGGCCCTGGG
 CCCAAGGCATCGTGGGAAATCCGCCAGACCCGGGACTCGCAGCCGCTGGAATATTCGCGCACGTCCCC
 CACCGAGTGGAAGTCTCCAGCCAGCGCAGGGGATCTACCCCGCTCCACCCAGCTGGACCGCAACTCT
 CTGTCCGAGCAGCAGCAGCAGCAGCGGGAGGACGAGGACGACTACGAGGCTGCCTACTGGGCATCCATGA
 GGTCTGTTACGAGAAGAACCCGAGTGTCTCGCCCTTGGCCGCCAAACCAAGAACGCCATCACCAT
 TGCTCTCTCATCTGCGGCTCTTCAACATGGTGGACGGCAGGAAAACTACGAGCAAGAGGGTCTGGAA
 AAGTACATGGAGTATCAGCTCACCAATGAGAACGTCATCTGACCCCGGGCCCGGCTTCCGCTTCGCA
 AGGCACTACAGTATGTCATGTCAGTCCGATCTATATCTGATGAACAGGACTTATTTGATATTGT
 ACTGATGACTAATAACCATGCCCAAGTGGGAGTGCAGCTTATAAACAGCGTCAATCACTACGGCTTACTG
 ATTGACCGCTTCTGTCTGACCGGGGAAAAAGACCCATTGGCTATTTGAAGGCATATCTTACCAACTGT
 ATATTGCTGCAGATTCTGAAAAAGTGAAGAGGCAATACAAGAAGGATTGCCTCTGCGACAATGTTTGA
 TGGAGCCAAAGACATGGCTTACTGTGACACTCAGTCCGTGAGCCTTTGATGGGGATGCTGCTCTTCT
 TCTGATGAGTCTGAACATTTTACCAAGGAGCATGGGCTCGACAAATTTCTCCAGTATGATACATTATGTG
 AAAGTAAGCCTCTTGTCTCAGGGTCCCCTAAAAGGCTTTCTGGAAGATTTAGGCAGACTGCAAAAAGAGT
 CTATGCCAAAAATGAACGGTTACTTTGCTCTATCAGGACCTACCTGGTTACAGCTAGGAGTGCAGCCAGT
 TCAGGCGCCCGTGTGCTGAAGACCTTCGACGCTGGGGTCTAGAGATAGACGAAGCTCTTTTCTTGTCTG
 GAGCCCCCAAAAGTCCCATCTTGGTGAAGATCCGCCCCACATCTTCTTTGATGACCACATGTTCCACAT
 TGAAGGGGCACAGAGGTTAGGTTCCATCGCAGCTTATGGCTTATAAAAAATTCAGTAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG231342 representing NM_001199087
 Red=Cloning site Green=Tags(s)

MSQTSLKQKKNPGRSSKESLEAEKRKESDKTGVRLSNQMRRVNPVHSLRCCPFQGHSSCRRCLCAAE
 GTALGPCHTIRIYIHMCLLWEQQQITMMRVSRDHTTDSGGEPQTTWGSQESSLRKTDSTRGYLVRSQWSR
 ISRSPSTKAPSIDEPSSRNTSAKLPSSTSSRTPSTSPSLHDSPPPLSGQPSLQPPASPQLPRSLDSRP
 PTPPEPDPGSRSTKMENPEAWAQGIVREIRQTRDSQPLEYSRTSPTWKSQRRGIYPASTQLDRNS
 LSEQQQQREDEDDYEAAYWASMRSFYEKNPSCSRPWPCKPKNAITIALSSCALFNMVDGRKIYEQEGLE
 KYMEYQLTENVILTPGPAFRFVKALQYVNRRLDLYPDEQDLFDIVLMTNNHAQVGVRLINSVNHYGLL
 IDRFLCTGGKDPYIGYLKAYLTNLYIAADSEKVEAIQEGIASATMFDGAKDMAYCDQLRVAFDGDVAVLF
 SDESEHFTKEHGLDKFFQYDTLCEKPLAQGPLKGFLEDLGRLLQKQFYAKNERLLCPRTYLVARSAAAS
 SGARVLTLLRWGLEIDEALFLAGAPKSPILVKIRPHIFFDDHMFHIEGAQRLGSIYAAYGFNKKFFS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001199087

ORF Size: 1881 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_001199087.2](#)

RefSeq Size: 2949 bp

RefSeq ORF: 1884 bp

Locus ID: 93034

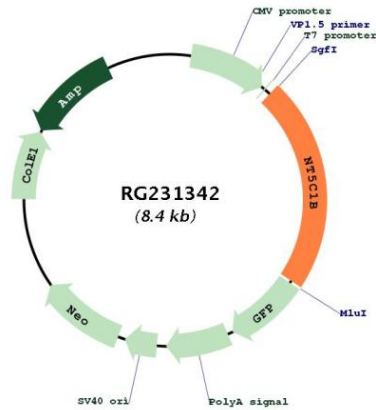
UniProt ID: [Q96P26](#)

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 RG231342