

Product datasheet for **RG217912**

NT5C1B (NM_001002006) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5C1B (NM_001002006) 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:

>RG217912 representing NM_001002006
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCAAACATCTCTCAAACAGAAAAAAGATGAGCCTGGAATGAGGTCCTCAAAGAGAGTCTAGAAG
 CAGAAAAAAGAAAGGAATCTGACAAAACAGGAGTTCGTCTGAGCAATCAGATGAGGCGTGCAATCC
 GAATCACTCGCTGAGATGTTGCCCTTCCAGGGTCACTCGTCGTGTAGACGCTGCCTTTGTGCAGCTGAG
 GGAACAGCCCTTGGCCCTGCCACACAATCGTATTTATATTACATGTGCCTGTTGTGGGAGCAGGGCC
 AGCAGATCACCATGATGAGGGGATCACAAGAATCATCACTGCGGAAGACAGACTCTCGAGGGTACCTTGT
 GCGCAGTCAATGGTCTAGAATATCCCGGAGCCATCCACCAAGGCTCCATCCATAGATGAGCCTAGAAGC
 AGGAACACCAGTCTAAGCTCCCAGCAGCTCCACGAGCTCCGGACTCCATCCACTCCCCAAGCCTGC
 ATGACTCCTCACCGCCGCGCTGTCCGGCAGCCCTCGTCCAGCCACCCGCGTCCGCCAGCTGCCCCG
 GTCGCTGGACTCGCGCCCTCCCACGCCCCAGAGCCCGATCCTGGCTCCCGGCGCAGCACAAAATGCAA
 GAGAATCCGGAGGCTGGGCCAAAGGCATCGTGCGGGAAATCCGCCAGACCCGGGACTCGCAGCCGCTGG
 AATATTCGCGCACGTCCCCACCGAGTGGAACTCTCCAGCCAGCGCAGGGGGATCTACCCCGCCTCCAC
 CCAGCTGGACCGCAACTCTGTCCGAGCAGCAGCAGCAGCAGCGGGAGGACGAGGACGACTACGAGGCT
 GCCTACTGGGCATCCATGAGGTCGTTCTACGAGAAGAACCCGAGCTGCTCGCGCCCTGGCCGCCAAAC
 CCAAGAACGCCATCACCATTGCTCTCATCTGCGCGCTCTTCAACATGGTGGACGGCAGGAAAATCTA
 CGAGCAAGAGGGTCTGAAAAAGTACATGGAGTATCAGCTACCAATGAGAACGTCATCCTGACCCGGGC
 CCGCGCTCCGCTTCGTCAAGGCACTACAGTATGTCAATGTAGACTCCGTGATCTATATCCTGATGAAC
 AGGACTTATTTGATATTGTACTGACTAATAACCATGCCAAGTGGGAGTGGCGCTTATAAACAGCGT
 CAATCACTACGGCTTACTGATTGACCGCTTCTGTCTGACCGGGGAAAAGACCCATTGGCTATTTGAAG
 GCATATCTTACCAACTTGTATATTGCTGCAGATTCTGAAAAAGTCAAGAGGCAATACAAGAAGGTATTG
 CCTCTGCGACAATGTTTGTGAGGCAAAAGACATGGCTTACTGTGACACTCAGCTCCGTGTAGCCTTTGA
 TGGGGATGCTGCTCTTCTCTGATGAGTCTGAACATTTTACCAAGGAGCATGGGCTCGACAAAATCTTC
 CAGTATGATACATTATGTGAAAGTAAGCCTCTTGCTCAGGGTCCCCTAAAAGGCTTTCTGGAAGATTAG
 GCAGACTGCAAAAAGTCTATGCCAAAATGAACGGTACTTTGTCCTATCAGGACCTACCTGGTTAC
 AGCTAGGAGTGCAGCCAGTTCAGGCGCCCGTGTGCTGAAGACCCTTCGACGCTGGGGTCTAGAGATAGAC
 GAAGCTCTTTTCTTGTGGAGCCCCAAAAGTCCCATCTTGGTGAAGATCCGGCCCCACATCTTCTTTG
 ATGACCACATGTTCCACATTGAAGGGGCACAGAGTTAGTTCCATCGCAGCTTATGGCTTAATAAAAA
 ATTCAGTAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG217912 representing NM_001002006
 Red=Cloning site Green=Tags(s)

MSQTSLKQKKNPGRSSKESLEAEKRKESDKTGVRLSNQMRRVNPNSLRCCPFQGHSSCRRCLCAAE
 GTALGPCHTIRIYIHMCLLWEQQQITMMRGSQESSLRKTDSEYLVRSQWSRISRSPSTKAPSIDEP
 RNTSAKLPSSSTSSRTPSTSPSLHDSSPPPLSGQPSLQPPASPQLPRSLDSRPPTPEPDPGSRSTKMQ
 ENPEAWAQGIVREIRQTRDSQPLEYSRTSPTWKSQRRGIYPASTQLDRNSLSEQQQQREDEDDYEA
 AYWASMRSFYEKNPSCSRPWPPKPKNAITIALSSCALFNMVDGRKIYEQEGLEKYMAYQLTENVILTPG
 PAFRFVKALQYVNARLRLDYPDEQDLFDIVLMTNNHAQVGVRLINSVNHVGLLIDRFCLTGGKDP
 IGYLKYLYTLNLYIAADSEKVQEAIQEGLIASATMFDGAKDMAYCDTQLRVAFDGDVLFSDSEHF
 TKEHGLDKFFQYDTLCEKPLAQGLKGFLEDLGRLLQKQFYAKNERLLCPITYLVARSAAASSGARV
 LKTLRRWGLEIDEALFLAGAPKSPILVKIRPHIFFDDHMFHIEGAQRLGSIAYGFNKKFSS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001002006

ORF Size: 1830 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_001002006.3](#)

RefSeq Size: 2864 bp

RefSeq ORF: 1833 bp

Locus ID: 93034

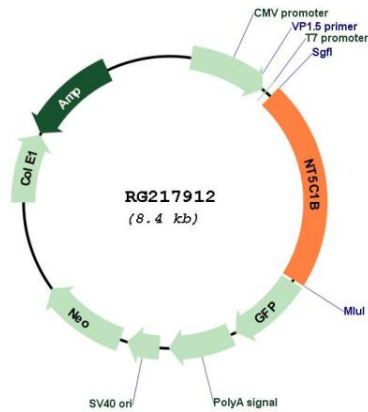
UniProt ID: [Q96P26](#)

Cytogenetics: 2p24.2

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

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 RG217912