

Product datasheet for **MG208805**

Nt5c1b (BC060976) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5c1b (BC060976) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nt5c1b
Synonyms:	AIRP, CN-IB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208805 representing BC060976
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCAAACATCCTTGAACACAAAAAGAAAAATGAACCTGGAATGAGGTACTCAAAGAGAGTCTAG
 ATGCAGAGAAAAAGGATTCTGACAAAAGTGGAGCTCGTCTGAGCACTCAGGGATCCCAAGAATTACC
 TCTGCATAATACAGACTCCCGAGGTTACGTTGTACGAAATCAGTGGTCCCGAACATCACGGAGCCCATCT
 ACTGGAGCTCCATCAGTGGATGAGCCCAGAAGCAGGAATACTGCCATCAAGGCCCTAACAGCTCCACTA
 CCTCTCGAACTTCTCTGCCTCCCCAGTCAACACGAGACCTCACCTCCACCTCAGACATCAGAGAAGTC
 CTCCATTCAACAGACCCCCAGAACAGACCTATCACCCAGCTTGAATCACAACTCCACACCTCCGGAA
 ACAGAGCCAACTCGAGACGAACATCGGCGAAGATGTATACGGGCAGTATCCGTGGGCGCACAGGGAAA
 ACAGAGAGCTTAGAGACTTGCAGCTGAGGGACTATGCATACAGCTGTGACTCACGAGAAGGGATGCCAA
 GACCCGAGAGTATCCGCGCACTCCTCTACTGAGTGAAGCCCTATGCCAGCGTCGCTCCAGTATGGC
 ACCTCTGTGGACATGGAACCGGAATATATATCCGATGGCCCGCAGCAGAGGCAGAGGCAGACAGAGG
 AAGATGAGGTGGATGAGGCTACTGGACATCTCCAAACCAAGCATGCCATCACCAATGCGCTCTCTTC
 TCGGGCACTTTTCAATATGGTAGATGACAGGAAAATCTACGAAGAGGAAGGTCTGGAGAAGTACATGGAG
 TATCAGCTACCAACGAGAACGTCATCCTGACGCCAGGGCCAGCGTTCGGTTTTGTCAAGGCACTGCAGC
 ATGTCAACTCTAGACTCCGTGATCTGTATCCTGACGAACAGGACTTATTCGATATAGTACTGATGACTAA
 TAACCATGCCAAGTGGGAGTAAGGCTTATAAACAGCGTCAATCACTATGGTCTACTGATTGACCGCTTC
 TGTTTGACGGGTGGAAAAGCCCCATTGGATATTTGAAGGCATATCTTACCAACCTGTATCTTTCTGCTG
 ATTTGAAAAAGTACAAGAAGCAATAAAGAAGGTATTGCCTCTGCAACCATGTATGCTGGAGCCAAAGA
 CATGGCTTATTGGGACACACAGCTACGCGTGGCCCTTGTATGGGGATGCTGTCTCTCTCAGATGAATCT
 GAACATATTGCCAAGGATCATGGCTGGACAAATTTTTCCAACATGAAACACTATTTGAGAATAAGCCTC
 TTGCTCAGGGTCTCTTAAAAGCTTTCTGGAAGATTTAGGGAACTGCAGAAAAAATTCTATGCCAAAGA
 CGAACGATTGCTTTGCCCATCAGGACCTACCTGGTTACAGCTCGTAGTGCAGCGAGTTCAGGTGCCCGT
 GTGCTGAAGACCCTTCGCCGATGGGGTCTAGAGATAGATGAAGCTCTTTCTGGCTGGAGCCCCTAAAG
 GTCCCATCTTAGTGAAGATTGCGCCACATCTTCTCGACGACCAATGTTCCACATTGAATCAGCACA
 GAAATTTGGTACCATCACGGCCATGTGCCTTATGGCATTGCTCAAAAACGCAAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208805 representing BC060976
 Red=Cloning site Green=Tags(s)

MSQTSCLKHKKKNEPGRMYSKESLDAEKRKDSDKTGARLSTQGSQELPLHNTDSRGYVVRNQWRSRSPS
 TGAPSVDEPRSRNTAIKAPNSSTTSRTSSASPSQHETSPPPQTSEKSSIQQTPQNRPIQLSESPPPTPE
 TEPNSRRTSAKMYTGSDPWARENREPRDLQLRDYAYSCDSDREGMPKTREYPRTPPEWKPYAQRRLQYG
 TSVDMEPEYISDGPQQRQRQTEEDEVEAYWTSPPKHAITIAVSSRALFNMVDDRKIYEEEGLEKLYME
 YQLTNEENVILTPGPAFRFVKALQHVNSRLRDLYPDEQDLFDIVLMTNNHAQVGVRLINSVNHYGLLIDRF
 CLTGKSPIGYLKAYLTNLVLSADSEKVQEAIKEGIASATMYAGAKDMAYCDTQLRVAFDGDAVLFSDS
 EHIKDHGLDKFFQHETLFENKPLAQGPLKSFLEDLGLKQKIFYAKDERLLCPIRTYLVARSASSGAR
 VLKTLRRWGLEIDEALFLAGAPGPILVKIRPHIFFDDQMFHIESAQKFGTITAHVPYGIQKRN

SGP**TRRRLE** – GFP Tag – V

Restriction Sites:

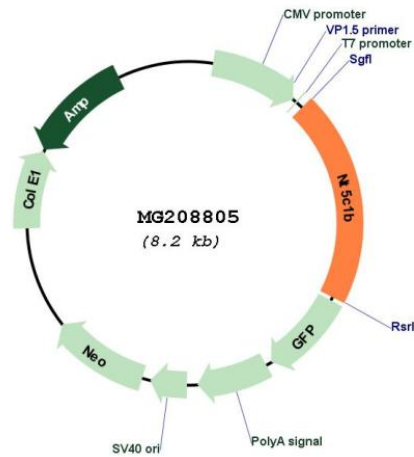
Sgfl-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN:	BC060976
ORF Size:	1665 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:	<ol style="list-style-type: none">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:	BC060976.1
RefSeq Size:	1865 bp
RefSeq ORF:	1667 bp
Locus ID:	70881
Cytogenetics:	12 A1.1
Gene Summary:	Dephosphorylates the 5' and 2'(3')-phosphates of deoxyribonucleotides. Helps to regulate adenosine levels.[UniProtKB/Swiss-Prot Function]