

Product datasheet for **MR208805**

Nt5c1b (BC060976) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5c1b (BC060976) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nt5c1b
Synonyms:	AIRP, CN-IB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR208805 representing BC060976
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCAAACATCCTTGAAACACAAAAAGAAAAATGAACCTGGAATGAGGTACTCAAAGAGAGTCTAG
 ATGCAGAGAAAAGAAAGGATTCTGACAAAAGTGGAGCTCGTCTGAGCACTCAGGGATCCCAAGAATTACC
 TCTGCATAATACAGACTCCCGAGGTTACGTTGTACGAAATCAGTGGTCCCGAACATCACGGAGCCCATCT
 ACTGGAGCTCCATCAGTGGATGAGCCCAGAAGCAGGAATACTGCCATCAAGGCCCTAACAGCTCCACTA
 CCTCTCGAACTTCTCTGCCTCCCCAGTCAACACGAGACCTCACCTCCACCTCAGACATCAGAGAAGTC
 CTCCATTCAACAGACCCCCAGAACAGACCTATCACCCAGCTTGAATCACAACCTCCACACCTCCGGAA
 ACAGAGCCAACTCGAGACGAACATCGGCGAAGATGTATACGGGCAGTATCCGTGGGCGCACAGGGAAA
 ACAGAGAGCCTAGAGACTTGCAGCTGAGGGACTATGCATACAGCTGTGACTCACGAGAAGGGATGCCAA
 GACCCGAGAGTATCCGCGCACTCTCTACTGAGTGAAGCCCTATGCCAGCGTCGCTCCAGTATGGC
 ACCTCTGTGGACATGGAACCGGAATATATATCCGATGGCCCGCAGCAGAGGCAGAGGCAGACAGAGG
 AAGATGAGGTGGATGAGGCTACTGGACATCTCCAAACCCAAGCATGCCATCACCATTGCCGTCTCTTC
 TCGGGCACTTTTCAATATGGTAGATGACAGGAAAATCTACGAAGAGGAAGGTCTGGAGAAGTACATGGAG
 TATCAGCTCACCACGAGAAGCTCATCTGACGCCAGGGCCAGCGTTCGGTTTGTCAAGGCACTGCAGC
 ATGTCAACTCTAGACTCCGTGATCTGTATCCTGACGAACAGGACTTATTCGATATAGTACTGATGACTAA
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 TTGCTCAGGGTCTCTTAAAAGCTTTCTGGAAGATTTAGGGAACTGCAGAAAAAATCTATGCCAAAGA
 CGAACGATTGCTTTGCCCATCAGGACCTACCTGGTTACAGCTCGTAGTGCAGCGAGTTCAGGTGCCCGT
 GTGCTGAAGACCCTTCGCCGATGGGCTAGAGATAGATGAAGCTCTTTTCTGGCTGGAGCCCCAAAG
 GTCCCATCTTAGTGAAGATTCCGCCACATCTTCTCGACGACCAAATGTTCCACATTGAATCAGCACA
 GAAATTTGGTACCATCACGGCCATGTGCCTTATGGCATTGCTCAAAAACGCAAC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208805 representing BC060976
 Red=Cloning site Green=Tags(s)

MSQTSLSLKHKKKNEPGRMYSKESLDAEKRKDSDKTGARLSTQGSQELPLHNTDSRGYVVRNQWSRSTRSPS
 TGAPSVDEPRSRNTAIKAPNSSTTSRTSSASPSQHETSPPPQTSEKSSIQQTPQNRPIITQLESQPPTPE
 TEPNSRRTSAKMYTGDSPWAHRENREPRDLQLRDYAYSCDSREGMPKTREYPRTPPEWKPYAQRRLQYG
 TSVDMEPEYISDGPQQRQRQTEEDEVEAYWTSKPKHAITIAVSSRALFNMVDDRKIYEEGLEKYE
 YQLTENVILTPGPAFRFVKALQHVNSRLRDLYPDEQDLFDIVLMTNNHAQVGVRLINSVNHYGLLIDRF
 CLTGGKSPIGYLKAYLTNLYLSADSEKVEAIKEGIASATMYAGAKDMAYCDTQLRVAFDGDVLFSDS
 EHIKDHGLDKFFQHETLFENKPLAQGPLKSFLEDLGLKQKFKYAKDERLLCPIRTYLVARSAAASSGAR
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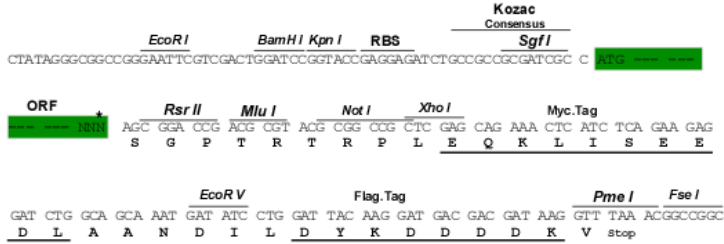
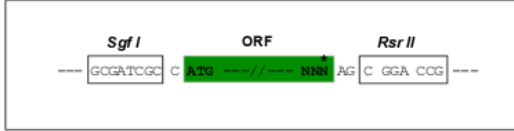
SGP**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

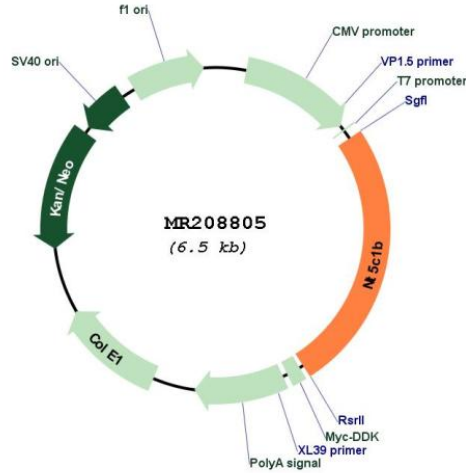
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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
MW:	68.3 kDa
Gene Summary:	Dephosphorylates the 5' and 2'(3')-phosphates of deoxyribonucleotides. Helps to regulate adenosine levels.[UniProtKB/Swiss-Prot Function]