

Product datasheet for **MR216496**

Nt5c1b (NM_027588) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5c1b (NM_027588) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nt5c1b
Synonyms:	4921514H13Rik; AIRP; CN-IB; cN1B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR216496 representing NM_027588
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTCAAACATCCTTGAAACACAAAAAGAAAAATGAACCTGGAATGAGGTACTCAAAGAGAGTCTAG
 ATGCAGAGAAAAGAAAGGATTCTGACAAAAGTGGAGCTCGTCTGAGCACTCAGGGATCCCAAGAATTACC
 TCTGCATAATACAGACTCCCGAGGTTACGTTGTACGAAATCAGTGGTCCCGAACATCACGGAGCCCATCT
 ACTGGAGCTCCATCAGTGGATGAGCCCAGAAGCAGGAATACTGCCATCAAGGTAGAGGCCCTAACAGCT
 CCACTACCTCTCGAATTCTCTGCCTCCCCAGTCAACACGAGACCTCACCTCCACCTCAGACATCAGA
 GAAGTCTCCATTCAACAGACCCCCAGAACAGACCTATCACCCAGCTTGAATCACAACTCCACACCT
 CCGAAACAGAGCCAACTCGAGACGAACATCGGCGAAGATGTATACGGGCAGTATCCGTGGGCGCACA
 GGGAAAACAGAGAGCCTAGAGACTTGCAGCTGAGGGACTATGCATACAGCTGTGACTCACGAGAAGGGAT
 GCCCAAGACCCGAGAGTATCCGCGCACTCCTCCTACTGAGTGGAAAGCCCTATGCCAGCGTCGCCTCCAG
 TATGGCACCTCTGTGGACATGGAACCGGAATATATACCGATGGCCCGCAGCAGAGGCAGAGGCAGCAGA
 CAGAGGAAGATGAGGTGGATGAGGCCTACTGGACATCTGTGAGCATGCTGTATGAGAAGATCCCCAGCTG
 TGCACGGCCCAGGCCGCCAAACCCAAGCATGCCATCACCAATTGCCGTCTTCTCGGGCACTTTTCAAT
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 CCGTGATCTGTATCCTGACGAACAGGACTTATTCGATATAGTACTGATGACTAATAACCATGCCAAGTG
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 TAAAAGCTTTCTGGAAGATTTAGGGAACTGCAGAAAAAATTCTATGCCAAAGACGAACGATTGCTTTGC
 CCCATCAGGACCTACCTGGTTACAGCTCGTAGTGCAGCGAGTTCAGGTGCCCGTGTGCTGAAGACCCCTC
 GCCGATGGGTCTAGAGATAGATGAAGCTTTTTCTGGCTGGAGCCCCAAAGTCCCATCTTAGTGAA
 GATTCGGCCCCACATCTTCTTCGACGACCAATGTTCCACATTGAATCAGCACAGAAATTTGGTACCATC
 ACGGCCATGTGCCTTATGGCATTGCTCAAAAACGCAAC

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216496 representing NM_027588
 Red=Cloning site Green=Tags(s)

MSQTSLKHKKKNEPGRMYSKESLDAEKRKDSDKTGARLSTQGSQELPLHNTDSRGYVVRNQWSRTSRSPS
 TGAPSVDEPRSRNTAIKVEAPNSSTTSRTSSASPSQHETSPPPQTSEKSSIQQTPQNRPIQLESQPPTP
 PETEPNSRRTSAKMYTGSDPWAHRENREPRDLQLRDYAYSCDSREGMPKTREYPRTPPEWKPYAQRRLQ
 YGTSVDMPEPEYISDGPQQRQQTTEEDEVDEAYWTSVSMLEYKIPSCARPRPPKPKHAITIAVSSRALFN
 MVDDRKIYEEGLEKYMAYQLTENVILTPGPAFRFVKALQHVNSRLRDLYPDEQDLFDIVLMTNNAHQV
 GVRLINSVNHYGLLIDRFCLTGGKSPIGYLKAYLTNLVLSADSEKVQEAIKEGIASATMYAGAKDMAYCD
 TQLRVAFDGDVLFSDSEHIAKDHGLDKFFQHETLFENKPLAQGPLKSFLDLGKLGKQKQFYAKDERLLC
 PIRTYLVTARSAASSGARVLKTLRRWGLEIDEALFLAGAPKGPILVKIRPHIFDQMFHIESAQKFGTI
 TAHVPYGIQKRN

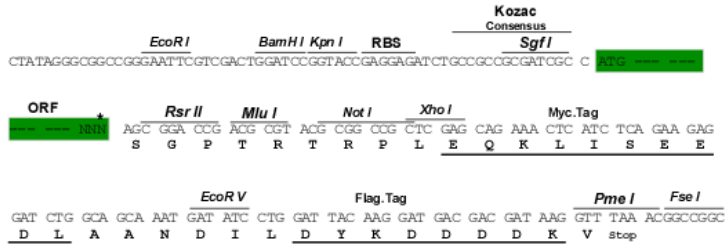
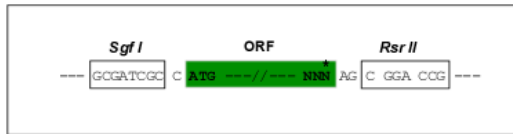
SGP**TRRRLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

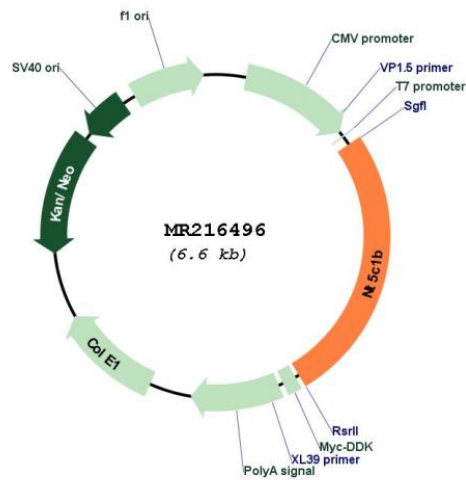
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_027588
 ORF Size: 1719 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:	NM_027588.3 , NP_081864.2
RefSeq Size:	1855 bp
RefSeq ORF:	1722 bp
Locus ID:	70881
UniProt ID:	Q91YE9
Cytogenetics:	12 A1.1
MW:	65.5 kDa
Gene Summary:	Dephosphorylates the 5' and 2'(3')-phosphates of deoxyribonucleotides. Helps to regulate adenosine levels.[UniProtKB/Swiss-Prot Function]