

Product datasheet for **MG216496**

Nt5c1b (NM_027588) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5c1b (NM_027588) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nt5c1b
Synonyms:	4921514H13Rik; AIRP; CN-IB; cN1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG216496 representing NM_027588
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCAAACATCCTTGAACACAAAAAGAAAAATGAACCTGGAATGAGGTACTCAAAGAGAGTCTAG
 ATGCAGAGAAAAGAAAGGATTCTGACAAAACCTGGAGCTCGTCTGAGCACTCAGGGATCCCAAGAATTACC
 TCTGCATAATACAGACTCCCGAGGTTACGTTGTACGAAATCAGTGGTCCCGAACATCACGGAGCCCATCT
 ACTGGAGCTCCATCAGTGGATGAGCCCAGAAGCAGGAATACTGCCATCAAGGTAGAGGCCCTAACAGCT
 CCACTACCTCTCGAACTTCTCTGCCTCCCCAGTCAACACGAGACCTCACCTCCACCTCAGACATCAGA
 GAAGTCTCCATTCAACAGACCCCCAGAACAGACCTATCACCCAGCTTGAATCACAACTCCACACCT
 CCGGAAACAGAGCCAACTCGAGACGAACATCGGCGAAGATGTATACGGGCAGTGATCCGTGGGCGCACA
 GGGAAAACAGAGAGCCTAGAGACTTGCAGCTGAGGGACTATGCATACAGCTGTGACTCACGAGAAGGGAT
 GCCAAGACCCGAGAGTATCCGCGCACTCCTCTACTGAGTGGAAGCCCTATGCCAGCGTCGCCTCCAG
 TATGGCACCTCTGTGGACATGGAACCGGAATATATATCCGATGGCCCGCAGCAGAGGCAGAGGCAGCAGA
 CAGAGGAAGATGAGGTGGATGAGGCCTACTGGACATCTGTGAGCATGCTGTATGAGAAGATCCCCAGCTG
 TGCACGGCCAGGCCGCCAAACCAAGCATGCCATCACCATGCCGTCTTCTCGGGCACTTTTCAAT
 ATGGTAGATGACAGGAAAATCTACGAAGAGGAAGTCTGGAGAAGTACATGGAGTATCAGCTCACCACCG
 AGAACGTCATCCTGACGCCAGGGCCAGCGTTCCGGTTTGTCAAGGCATGCAGCATGTCAACTCTAGACT
 CCGTGATCTGTATCCTGACGAACAGGACTTATTCGATATAGTACTGATGACTAATAACCATGCCAAGTG
 GGAGTAAGGCTTATAAACAGCGTCAATCACTATGGTCTACTGATTGACCGCTTCTGTTGACGGGTGGGA
 AAAGCCCCATTGGATATTTGAAGCATACTTACCAACCTGTATCTTTCTGCTGATTCTGAAAAAGTACA
 AGAAGCAATAAAAAGAAGGTATTGCCTCTGCAACCATGTATGCTGGAGCCAAAGACATGGCTTATTGCGAC
 ACACAGCTACGCGTGGCCTTTGATGGGGATGCTGTCTCTTCTCAGATGAATCTGAACATATTGCCAAGG
 ATCATGGGCTGGACAAATTTTTCCAACATGAAACACTATTTGAGAATAAGCCTCTTGCTCAGGGTCTCT
 TAAAAGCTTTCTGGAAGATTTAGGGAACTGCAGAAAAAATTCTATGCCAAAGACGAACGATTGCTTTGC
 CCCATCAGGACCTACCTGGTTACAGCTCGTAGTCAGCGAGTTCAGGTGCCCGTGTGCTGAAGACCCCTC
 GCCGATGGGGTCTAGAGATAGATGAAGCTTTTTCTGGCTGGAGCCCTAAAGTCCCCTTAGTGAA
 GATTCGGCCACATCTTCTCGACGACCAATGTTCCACATTGAATCAGCACAGAAATTTGGTACCATC
 ACGGCCATGTGCCTTATGGCATTGCTCAAAAACGCAAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216496 representing NM_027588
 Red=Cloning site Green=Tags(s)

MSQTSLKHKKKNEPGRMYSKESLDAEKRKDSDKTGARLSTQGSQELPLHNTDSRGYVVRNQRSRTSRSPS
 TGAPSVDEPRSRNTAIKVEAPNSSTTSRTSSASPSQHETSPPPQTSEKSSIQQTPQNRPIITQLESQPPTP
 PETEPNSRRTSAKMYTGSDPWAHRENREPRDLQLRDYAYSCDSREGMPKTREYPRTPPEWKPYAQRRLQ
 YGTSVDMEPEYISDGPQQRQRQQTEEDEVEAYWTSVSMLEYKIPSCARPRPPKPKHAITIAVSSRALFN
 MVDDRKIYEEGLEKYMELYLTNENVILTPGPAFRFVKALQHVNSRLRDLYPDEQDLFDIVLMTNHAQV
 GVRLINSVNHYGLLIDRFCLTGGKSPIGYLKAYLTNLVLSADSEKVQEAIKEGIASATMYAGAKDMAYCD
 TQLRVAFDGDVLFSDSEHIAKDHGLDKFFQHETLFFENKPLAQGPLKSFLEDLGLKQKFYAKDERLLC
 PIRTYLVTARSAASSGARVLKTLRRWGLEIDEALFLAGAPKGPILVKIRPHIFFDDQMFHIESAQKFGTI
 TAHVPYGIQAQKRN

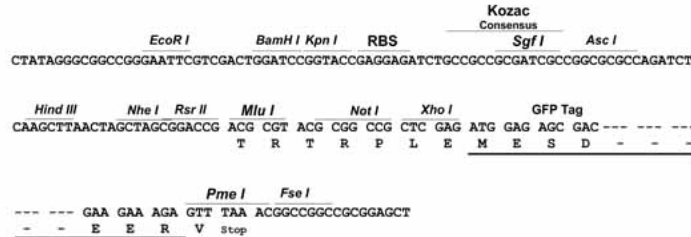
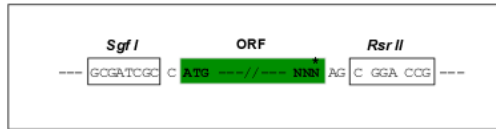
SGP**TRRRLE** - GFP Tag - V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:


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:

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

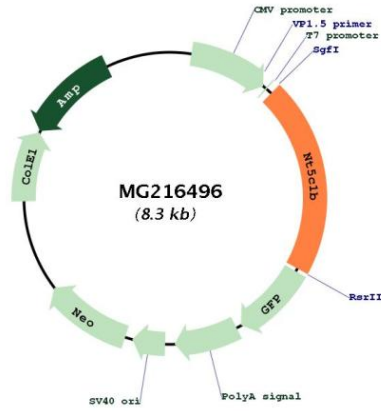
RefSeq ORF: 1722 bp

Locus ID: 70881

UniProt ID: [Q91YE9](#)
Cytogenetics: 12 A1.1

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

Product images:



Circular map for MG216496