

Product datasheet for **MR218685**

Nt5c3b (NM_026561) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nt5c3b (NM_026561) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nt5c3b
Synonyms: 2610037D24Rik; AI841843; C330027I04Rik; Nt5c3l
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR218685 representing NM_026561
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGAGGAGGTAAGCAGCCTGATGAAGGCCACGGTCCTGATGCGGCAGCCCGGACGGGTGCAGGAAA
TTGTGGGCGCCCTTCGAGGGCGGAGGAGACCGCCTGCAGGTGATTTCCGATTTTGACATGACCCTGAG
CAGATTTGCTTACAATGGACAGCGATGCCCTTCTCCACAATATTCTGGATAACAGCAAATTATCAGT
GAGGATTGTCGAAAGAGCTCACCGAGCTTTTACCACCTATTATCCCATTTGAGATCGACCCACACCGGA
CCATCAAAGAGAAGCTGCCTCACATGGTGCAGTGGTGGAGCAAAGCCACAGTCTCCTGTGCCAGCAGAG
GATCCAGAAAGTCCAGATCGCTCAGGTGGTGGAGAGTCCACTGCGATGCTCAGGGAGGGCTATAAGACG
TTCTTCGACACTCTACCAGAACAACATCCCCCTTTTCATCTTCTCAGCGGGCATTGGTGACATCCTGG
AAGAAATTATCCGACAGATGAAAGTGTCCACCCCAACATCCACATTGTGTCCAACATACATGGACTTCAG
TGAGGATGGATTCTGAAAGGATTCAAGGGCAGCTCATTACACCTACAACAAGAACAGTCCGTGTGT
GAGAACTCCAGCTACTTCCAGCAACTTCAGAACAAGACCAACATCATCTGCTGGGAGACTCCATCGGGG
ACCTCACCATGGCTGATGGGGTCCCCGGGTGCAGAACATTCTCAAGATCGGCTTCTGAATGACAAGCT
CCCCGAGGCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218685 representing NM_026561
Red=Cloning site Green=Tags(s)

MAEEVSSLMKATVLMRQPGRVQEIVGALRRGGDRLQVISDFDMLSRFAYNGQRCPSSHNILDNSKIIS
 EDCRKELTELFHHYPIEIDPHRTIKEKLPHMVQWWSKAHSLCQQRIQKVQIAQVVGESTAMLREGYKT
 FFDLTYQNNIPLFIFSAGIGDILEEIIROKMFVHPNIHIVSNYMFSEDGFLKGFKGQLIHTYNKNSSVC
 ENSSYFQQLQNKTNIIILLGDSIGDLTMADGVPGVQNILKIGFLNDKLEPAQ

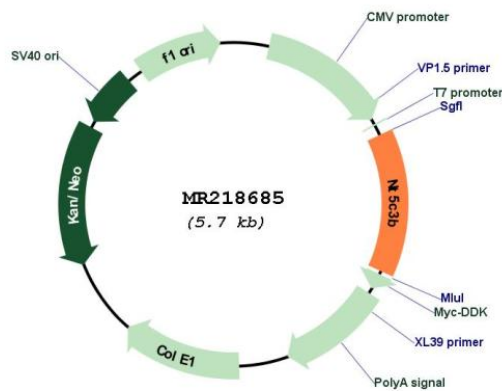
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026561
ORF Size: 783 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_026561.5
RefSeq Size:	1427 bp
RefSeq ORF:	786 bp
Locus ID:	68106
UniProt ID:	Q3UFY7
Cytogenetics:	11 D
MW:	30.2 kDa
Gene Summary:	Specifically hydrolyzes 7-methylguanosine monophosphate (m(7)GMP) to 7-methylguanosine and inorganic phosphate. The specific activity for m(7)GMP may protect cells against undesired salvage of m(7)GMP and its incorporation into nucleic acids. Also has weak activity for CMP. UMP and purine nucleotides are poor substrates (By similarity).[UniProtKB/Swiss-Prot Function]