

## Product datasheet for **MG218685**

### Nt5c3b (NM\_026561) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5c3b (NM_026561) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nt5c3b
Synonyms:	2610037D24Rik; AI841843; C330027I04Rik; Nt5c3l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218685 representing NM_026561 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGAGGAGGTAAGCAGCCTGATGAAGGCCACGGTCCTGATGCGGCAGCCCGGACGGGTGCAGGAAA  
TTGTGGGCGCCCTTCGAGGGCGGAGGAGACCGCCTGCAGGTGATTTCCGATTTTGACATGACCCTGAG  
CAGATTTGCTTACAATGGACAGCGATGCCCTTCTCCACAATATTCTGGATAACAGCAAATTATCAGT  
GAGGATTGTCGAAAGAGCTCACCGAGCTCTTACCACCTATTATCCATTGAGATCGACCCACACCGGA  
CCATCAAAGAGAAGCTGCCTCACATGGTGCAGTGGTGGAGCAAAGCCACAGTCTCCTGTGCCAGCAGAG  
GATCCAGAAAGTCCAGATCGCTCAGGTGGTGGAGAGTCCACTGCGATGCTCAGGGAGGGCTATAAGACG  
TTCTTCGACACTCTACCAGAACAACATCCCCCTTTTCATCTTCTCAGCGGGCATTGGTGACATCCTGG  
AAGAAATTATCCGACAGATGAAAGTGTCCACCCCAACATCCACATTGTGTCCAACATACATGGACTTCAG  
TGAGGATGGATTCTGAAAGGATTCAAGGGGCGAGCTCATTACACCTACAACAAGAAGCAGCTCCGTGTGT  
GAGAACTCCAGCTACTTCCAGCAACTTCAGAACAAGACCAACATCATCCTGCTGGGAGACTCCATCGGGG  
ACCTCACCATGGCTGATGGGGTCCCCGGGTGCAGAACATTCTCAAGATCGGCTTCTGAATGACAAGCT  
CCCCGAGGCTCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG218685 representing NM\_026561  
 Red=Cloning site Green=Tags(s)

MAEEVSSLMKATVLMRQPGRVQEIVGALRRGGDRLQVISDFDMLSRFAYNGQRCPSSHNILDNSKIIS  
 EDCRKELTELFHHYYPIEIDPHRTIKEKLPHMVQWWSKAHSLCQQRQIQVQIAQVVGESTAMLREGYKT  
 FFDTLYQNNIPLFIFSAGIGDILEEIIIRQMKVFHPNIHIVSNYMDFSEDGFLKGFKGQLIHTYNKNSSVC  
 ENSSYFQQLQNKTNIIILLGDSIGDLTMADGVPGVQNILKIGFLNDKLEPAQ

TRTRPLE - GFP Tag - V

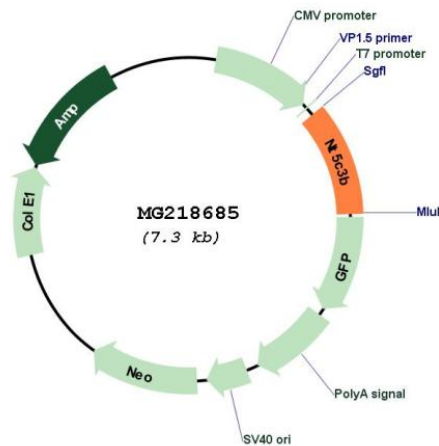
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_026561

**ORF Size:** 783 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_026561.5</a>
<b>RefSeq Size:</b>	1427 bp
<b>RefSeq ORF:</b>	786 bp
<b>Locus ID:</b>	68106
<b>UniProt ID:</b>	<a href="#">Q3UFY7</a>
<b>Cytogenetics:</b>	11 D
<b>Gene Summary:</b>	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]