

## Product datasheet for RN209755

### Nt5c3b (NM\_001007723) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Nt5c3b (NM\_001007723) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Nt5c3b  
 Synonyms: Nt5c3l  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN209755 representing NM\_001007723  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGAGGAGGTGAGCAGCCTGATGAAGGCCACGGTCCTGATGCGGCAGCCCGGACGGGTGCAGGAAA  
 TCGTGAGCGCCCTTCGCAGGGGGCGAGGAGACCGCCTGCAGGTGATTTCTGATTTTGACATGACCTTGAG  
 CAGATTTGCTTACAATGGACAGCGATGCCCTCTCCACAATATTCTGGATAACAGCAAATTATCAGT  
 GAGGATTGTCGAAAGAGCTCACCGAGCTTTTACCACCTATTATCCATTGAGATCGACCCACACCGGA  
 CCATCAAAGAGAAGCTGCCTCACATGGTGCAGTGGTGGAGCAAAGCCACAGCCTCCTGTGCCAGCAGAG  
 GATACAGAAGTCCAGATAGCTCAGGTGGTCCGCGAGTCCACTGCGATGCTCAGGGAGGGCTATAAGATG  
 TTCTTCGACACTCTACCATAACAACATTCCTCTTTTCATCTTCTGCGGGCATTGGTGATATCCTGG  
 AAGAAATTATCCGACAGATGAAGGTGTTCCACCCCAACATCCACATTGTGTCCAACATACATGGATTTAG  
 TGAGGATGGTTTCTGAAAGGATTCAAGGGCCAGCTCATCCACACCTACAACAAGAACAGCTCCGTGTGT  
 GAGAATCCAGTTACTTCCAGCAACTGCGGAACAAAACCAACATCATCTGCTTGGAGACTCCATAGGGG  
 ACCTCACTATGGCGGATGGGGTCCCTGGAGTACAGAACATCTGAAGATCGGCTTCTGAATGACAAGGT  
 GGAGGAGCGCGAGAACGTTACATGGACTCCTATGACATTGTGTTGGAGAAGGACGAGACGCTGGACGTG  
 GTCAATGGGCTGCTGCAGCACATCTGCCCCAGGGGGACTGTGTGGAGCTACAGGGCTCCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001007723  
 Insert Size: 903 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<u><a href="#">NM_001007723.2</a></u> , <u><a href="#">NP_001007724.2</a></u>
<b>RefSeq Size:</b>	1683 bp
<b>RefSeq ORF:</b>	903 bp
<b>Locus ID:</b>	360629
<b>UniProt ID:</b>	<u><a href="#">Q6AYP7</a></u>
<b>Cytogenetics:</b>	10q31
<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]