

## Product datasheet for **MG218002**

### Nt5c3 (NM\_026004) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nt5c3 (NM_026004) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nt5c3
Synonyms:	1600024P05Rik; 2610206B05Rik; 3110004A18Rik; AI842776; cN-III; lupin; Nt5c3a; Nt5y; p36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218002 representing NM_026004 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCGCGCGCCGTGGCGGAGTGGGCGGGTGGCGAGCGCCAGTGTGTGCGCGGTGGTAGCAGGCG  
TGGTGCTGGCCAGTACATATTCACCTTGAAGAGAAAAACGGGCCGAAGACCAAGATCATCGAAATGAT  
GCCAGAATTTAGAAAAGCTCAGTTCGTATCAAGAACCCTACAAGAGTAGAAGAAATATCTGTGGTCTC  
ATTAAGGAGGCGCTGCCAACTCAGATAATAACAGACTTTGACATGACTCTAAGTAGGTTTTCTTACA  
ATGGGAAAAGATGCCAACGTGCATAATATCATTGACAAGTGAAGCTTGTACAGATGAATGTGCAAG  
AAAGTTACTGCAGCTAAAGGAGCAGTATTATGCTATTGAAGTTGATCCTGTTCTCACCGTGAAGAGAAG  
TTCCCTTACATGGTAGAGTGGTATACCAAATCTCACGTTTTGCTTATTGAACAAGGCATACCAAAAGCCA  
AACTTAAAGAGATTGTGGCTGACTCTGACGTTATGCTCAAGGAAGGATATGAGAATTTCTTCGGTAACT  
TCAACAGCACGGTATCCCTGTGTTTCTGCTGGTATTGGTGATGTACTTGAAGAAGTTATCCGG  
CAGGCTGGAGTTTACTCAACAGTCAAAGTAGTGCAAACCTCATGGATTTTGTGAAATGGAGTGC  
TGAAAGGATCAAAGGAGAGTTAATCCACGTGTTCAACAACACGATGGTGCCTGAAGAATACAGACTA  
CTTCAGCCAGCTGAAAGACAACAGCAACATCATTCTGCTCGGGGACTCCCAAGGAGACCTAAGAATGGCC  
GATGGCGTAGCCAATGTTGAACACATTCTGAAAATTGGTTATCTGAATGACAGAGTAGACGAGCTTTTAG  
AAAAATACATGGACTCTTATGATATTGTTTTAGTAAAAGAAGAATCATTGGAGGTTGTCAACTCAATTTT  
ACAGAAGACATTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG218002 representing NM\_026004  
 Red=Cloning site Green=Tags(s)

MDRAAVARVGAVASASVCAVVAGVVLAQYIFTLKRKTGRKTKIEMMPEFQKSSVRIKNPTRVEEIIICGL  
 IKGGAAKLQIITDFDMTLSRFSYNGKRCPTCHNIIDNCKLVTDECRRKLLQLKEQYYAIEVDPVLTVEEK  
 FPYMVEWYTKSHGLLIEQGIPKAKLKEIVADSDVMLKEGYENFFGKLQQHGIPVIFISAGIGDVL EEVIR  
 QAGVYHSNVKVVSNFMDFDENGVLKGFKGELIHVFNKHDGALKNTDYFSQLKDNSNIILLGDSQGD LRMA  
 DGVANVEHILKIGYLNDRVDELLEKYMDSYDIVLVKEESLEVVNSILQKTL

TRTRPLE - GFP Tag - V

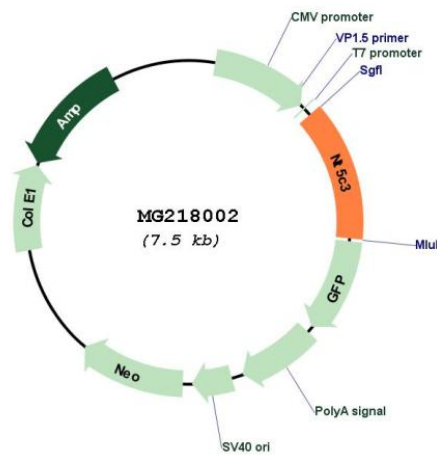
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_026004

**ORF Size:** 993 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_026004.3</a> , <a href="#">NP_080280.3</a>
<b>RefSeq Size:</b>	1687 bp
<b>RefSeq ORF:</b>	996 bp
<b>Locus ID:</b>	107569
<b>UniProt ID:</b>	<a href="#">Q9D020</a>
<b>Cytogenetics:</b>	6 B3
<b>Gene Summary:</b>	Nucleotidase which shows specific activity towards cytidine monophosphate (CMP) and 7-methylguanosine monophosphate (m(7)GMP). CMP seems to be the preferred substrate. [UniProtKB/Swiss-Prot Function]