

## Product datasheet for **MG218883**

### **Ttll9 (NM\_029064) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ttll9 (NM_029064) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ttll9
Synonyms:	1700016F23Rik; 4930509O20Rik; AW046572
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG218883 representing NM\_029064  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGCGACAGAAGAATCAAAATTC AAGGGCCATGGAGTGTGCGAAAGAAAAGAGAGAGCAGAGAA  
 CCTAATCCGCTTCAAGACCACCTCATGAACACACTCATGGATGTTCTGCGCCACAGGCCCGGATGGGT  
 GGAAGTCAAAGATGAAGGCGAATGGGATTTCTATTGGTGTGATGTCAGCTGGCTGCGGGAGAACCTTGAC  
 CACACCTACATGGATGAGCACGTGCGCATAAGCCACTTCCGGAACCACTACGAGCTTACCAGGAAAACT  
 ACATGGTAAAGAACCTGAAGCGCTTCCGGAAGTACCTGGAGCGTGAGTCAGGAAAGACGGAGGCAGCCAA  
 GTGTGACTTCTCCCAAACCTTTGAGATGCCCTGTGAGTACCATCTGTTTGTGGAGGAGTTTCGCAAG  
 AACCCCGGATCACCTGGATCATGAAGCCTGTCGCCGATCTCAGGGGAAGGGCATATTTCTCTCCGGA  
 GACTGAAAGACATCATGGACTGGAGGAAGGGCACTTCGGGAAGAAACCCACCGTGTGGAGACGCAGCC  
 TGCTCGAGCCAACATGAACCCCTCAGGCAGCCATGACACAAGGAGTTCTGATGACCAGAAAGATGACCTC  
 CCGGTGGAGAACCTACGTGGCTCAGCGTTACGTGAAAACCCCTACTTAATAGGAGGCCGCAAGTTTGACC  
 TGC CGCTACTCGTGTGATGTCGTACATCCCTCTGCGGGCATGGCTGTACCGTGATGGCTTTGCCAG  
 GTTCTCCAACACCCGATTCACACTGAATAGCATCGATGACCACTATGTTACCTACCAATGTTGCTGTG  
 CAGAAGACATCGCTGACTACCACCTAAAAAGGGTTGCAAGTGGATGCTTCAGCGCTTCAGGCAGTACC  
 TGGCTTCAAGCATGGTCTAAGGCCGTGGAGACACTCTTCAGTGACATGGACAATATCTTCATCAAGAG  
 CCTGCAGAGCGTGCAGAAGGTGATCATCAGTGATAAGCACTGCTTTGAGCTCTATGGCTATGACATCCTC  
 ATTGACCAGGACCTCAAGCCGTGGCTCCTAGAAGTCAATGCCTCTCCTTCCCTGACGGCCAGCAGCCAGG  
 AGGACTATGAACCTCAAGACCTGTCTGCTGGAGGATACCTCGACGTGGTGGACATGGAGGCCAGGCTCAC  
 AGGAAAGGAGAAGAGAGTCGGGGCTTCGATCTCATGTGGAATGATGGCCCTGTCAGCCGAGAGGATGGG  
 CCTTCTGACCTATCAGGGATGGGAACTTTGTGACCAACACTCACCTAGGTACGTTGAGCCAGACAGGAA  
 GTGAGTGGGAGAGAAACATCATAGGAAGTGAGGGGGGCTGGGGCCGCTTGGCAGAGCAGTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG218883 representing NM\_029064  
 Red=Cloning site Green=Tags(s)

MSRQKNQNSKGGHGVSKGKEREQRTLIRFKTTLMNTLMDVLRHRPGWVEVKDEGEWDFYWCDSWLRNF  
 HTYMDEHVRISHFRNHYELTRKNYMKNLKFRKYLERESGKTEAAKCDFFPKTFEMPCEYHLFVEEFRK  
 NPGITWIMKPVARSQKGIFLFRRLKDIMDWRKGTSGKKPTGVE TQPARANMNPSSGHDTRSSDDQKDDL  
 PVENYVAQRYVENPYLIGGRKFDLRVYVLMVSYIPLRAWLYRDGFARFSNTRFTLNSIDDHYVHLTNVAV  
 QKTSPDYHLKKGCKWMLQRFRQYLASKHGPKAVETLFSMDNIFIKSLQSVQKVIISDKHCFELYGYDIL  
 IDQDLKPWLLEVNASPLTASSQEDYELKTCLEDTLHVVDMEARLTGKEKRVGGFDLMWNDDGVPVSREDG  
 PSDLSGMGNFVTNTHLGTLSQTGSEWERNIIGSGGGLGPLGRAV

**TRTRPLE** - GFP Tag - V

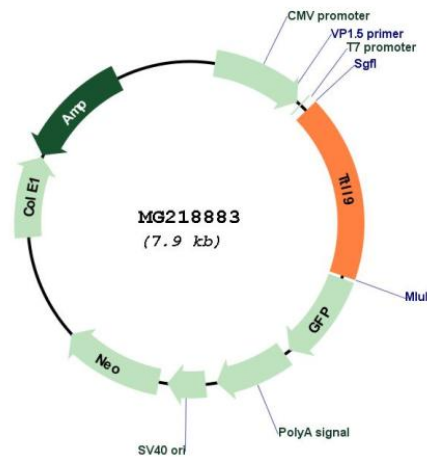
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_029064

ORF Size: 1392 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.

<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_029064.2</a></u> , <u><a href="#">NP_083340.2</a></u>
<b>RefSeq Size:</b>	1547 bp
<b>RefSeq ORF:</b>	1395 bp
<b>Locus ID:</b>	74711
<b>UniProt ID:</b>	<u><a href="#">A2APC3</a></u>
<b>Cytogenetics:</b>	2 H1
<b>Gene Summary:</b>	Probable tubulin polyglutamylase that forms polyglutamate side chains on tubulin. Probably acts when complexed with other proteins (By similarity).[UniProtKB/Swiss-Prot Function]