

## Product datasheet for **MR217401**

### **Ttc39a (NM\_001145948) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ttc39a (NM_001145948) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc39a
Synonyms:	4922503N01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR217401 representing NM\_001145948  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGTCAGAAGGGCCACAAGGACTCCCTTTATGATTGTAAGGGTCTCCTGTGAGCAGCCTCCATGAGG  
 CCCTGGACCAGTGCATGACAGCCCTGGACCTCTTCCTTACCAACCAGTTCCTCAGAAGCACTCAGCTACCT  
 CAAACCCAGAACCAAGGAGAGCATGTATCACTCCCTGACGTATGCCACCATCCTGGAGATGCAGGCCATG  
 ATGACCTTCGACCCCCAGGACATCCTGCTTGTGGCAACATGATGAAAGAAGCGCAGTCGCTGTGCAGA  
 GGCATCGAAGGAAGTCTTCTATGACGGACTCATTAGCAACCTGGTGCACCGTCTACCATTGACCAGTT  
 CACAGAAGAGGAAATCCATGCAGAGGTCTGTTATGCAGAAATGCCTACTACAGAGAGCGGCCCTGACCTTC  
 CTGCAGGACGAGAACATGGTGGCTTCAAGGGCGGCATCAAAGTCCGGAACAGCTACCAGACTTACA  
 AGGAACTGGATAGCCTCGTCCAGTCTCGCAACTCTAAGGGAGAGGCCACAGACTTTGAAGGAGG  
 GGTGAAGCTTGGCGTAGGAGCCTCAACCTGACGCTGTCCATGCTTCCCACCAGGATTCTGAGGCTGCTG  
 GAGTTTGTGGGTTTTACAGGAAACAAGGACTATGGGCTGCTGCAGCTGGAGGAGGGCGCAACCGGACACA  
 GCTTCCGTGCAGTGTGTGCGTCATGCTGTTGCTGTGTTATCACACCTTCTCACCTTCGTGCTCGGTAC  
 TGGAAATGTCAACATCGAGGAGGCAGAGAAGCTGCTGAAGCCCTACCTGAACCGATACCCCAAGGGCGCC  
 ATCTTCTGTTCTTTGCTGGCGGATTGAAGCTATCAAAGGAAATATTGATGCTGCTGTCCGGCGGTTTTG  
 AGGAGTGTGCGAGGCCAGCAGCACTGGAAGCAGTTTACCACATGTGCTACTGGGAGCTGATGTGGTG  
 CTTTACCTACAAGGGCCAGTGGAAAATGGCCTACTTCTACGCCGACCTGCTGAGCAAGGAGAAGCTCCTGG  
 TCCAAGGCCACCTACATCTACATGAAGGCTGCCTACCTCAGCATGTTTGGGAAGGAAGACTACAAGCCAT  
 TCGGGACAATGAAGTGGAGTTATTCAGGGCCGTGCCAGGCTTGAAGCTCAAGATTGCTGGGAAATCTCT  
 ACCCACAGAGAAGTTTGCTATCCGGAAGTCCAGGCGCTACCTCTCCCCCAACCCATCTCCTTGGCGATC  
 CCTGCTCTGGAATGATGTACATCTGGAATGGCTATGCTGTGATTGGGAAGCAGCCGACACTCACGGATG  
 GGATGCTGGAGGTCAACCAAGGCTGAAGAGATGCTGGCAATGGGCCAGAGAATGAGTACTCAGCAGA  
 TGACGACTGCTTGGTTAAATTGCTGAAAGGCTGTGTCTGAAATACCTGGGCCGAATCCAGGAGGCAGAG  
 GAGAATTCAGGAGCATTCTGCCAATGAAAAGAAGTAAATATGACCATTACTTGATTCCAAATGCC  
 TACTGAACTGGCCCTGCTATTTATGGAGCAAGGCAGAAATGAGGAGGCCATCAAACCTTAGAGTCTGC  
 AAAGCAAACTACAAGAACTACTCCATGGAGTCAAGGACACATTTTGAATCCAGGCAGCCACACTCCAG  
 GCCAGATCTTCCCTAGAAGATGGCAACAGATCTCTAGTCTCGTCAGTGTCTTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217401 representing NM\_001145948  
 Red=Cloning site Green=Tags(s)

MGQKQHKDLSLYDCKGSPVSSLHEALDQCMTALDLFLTNQFSEALSYLKPRTKESMYHSLTYATILEMQAM  
 MTFDPODILLAGNMMKEAQLCQRHRRKSSMTDSFNLVHRPTIDQFTEEEIHAEVCYAECLLQRAALTF  
 LQDENMVSFIKGGIKVRNSYQTYKELDSLQSSQYSKGESHRHFEGGVKLGVGAFNLTL SMLPTRLRL  
 EFVGFSGNKDYGLLQLEEGATGHSFRAVLCVMLLL CYHTFLTFVLGTGNVNIIEAEKLLKPYLNRYPKGA  
 IFLFFAGRIEAIKGNIDAARRFEECEAQQHWKQFHHMCYWELMWCFTYKQWKMAFYADLLSKENSW  
 SKATYIYMKAAYLSMFGKEDYKPFGDNEVELFRAVPGLKLIAGKSLPTEKFAIRKSRRLSPNPISLPI  
 PALEMMYIWNQYAVIGKQPTLTDGMLEVITKAEEMLAMGPENEYSADDDCLVKLLKGLCLKYLGRIQEAE  
 ENFRSISANEKKIKYDHYLIPNALLELALLFMEQGRNEEAIKLLES AKQNYKNYSMESRTHFRIQAATLQ  
 ARSSLEDGNRSLVSSVSL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

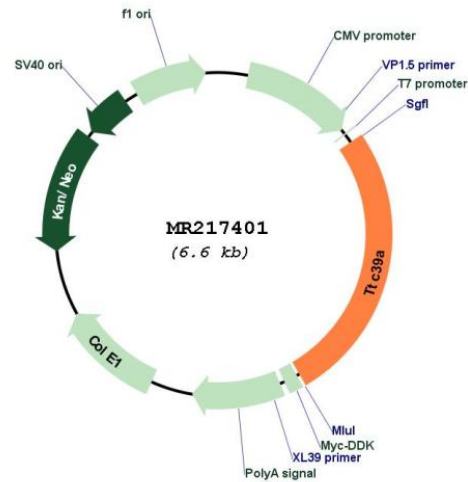
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_001145948  
 ORF Size: 1734 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_001145948.1</a> , <a href="#">NP_001139420.1</a>
<b>RefSeq Size:</b>	2334 bp
<b>RefSeq ORF:</b>	1737 bp
<b>Locus ID:</b>	230603
<b>UniProt ID:</b>	<a href="#">A2ACP1</a>
<b>Cytogenetics:</b>	4 C7
<b>MW:</b>	66.6 kDa