

Product datasheet for **MG209094**

Ttc39c (NM_028341) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc39c (NM_028341) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ttc39c
Synonyms:	1700008N02Rik; 2810439F02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209094 representing NM_028341
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCGGCTCGGAGGAGCAGTGGCCGCGCGGAGGGAGGACGGCGACCCGGACGCCGAGCGCGCCCC
 TGCAGGACGCGGAGCTGGCCTTGGCTGGCATCAATATGCTTCTCAACAACGGCTTCAGGGAGTCGGATCA
 GCTTTTCAAACAATACAGAAATCATAGTCCACTAATGAGTTTTGGAGCCAGCTTCGTGAGCTTTTGAAT
 GCCATGATGACATTTCAGGAGGAGAAAAATGCAGTTGGCGTGCATGACTTAAAGACTACAGAGAAGCTGT
 GTGAGAGTGAAGAGGCTGGTGAATCGAAACAATTAAGAACAATAAAGAAGACGTTGATGCCCGGAA
 ATCCACCCCTCCATGGTCGATCGACTTCAGAGGCAGATCATCATCGTGACTGCCAGGTTTACCTGGCA
 GTGCTTTCCTTTGTAAACAAGAGTTGTCGGCCTACATAAAAGGTGGTGGATCCTTAGGAAAGCCTGGA
 AGATTTACAGTAAGTGCTATGTGGACATCAACGCCCTTCAGGAAGTGTATCAGAAGAAGTGACGGAAGA
 GCCCTTGGCTTCTGATGTGCAATGATAACCACGTTGTGGCGAAGGGGTGACCGAGGAGTCTTAAGC
 AGACTGAAAGGGGCTGTGAGCTTTGGATATGGCCTTTTCCACCTTTCATATCCATGGTGCCTCCAAACC
 TGCTCAAATCATCAACCTGCTGGGCTTTCCTGGAGACCGCTACAGGGCCTTCTTCACTGACGTATGC
 GAGCGAAAGTAAGGACATGAAGGCCCTTTAGCTACATTAGCCCTGCTGTGGTACCACACTGTGGTCCGC
 CCATTTTTTGTCTTGGACGGCAGTGACAACAAAGGGGCTTGGATGAAGCTAAGGCAATTCTTCTCAGAA
 AGGAATCTGCTTACCCCAACTCTTCCCTCTTCAATGTTTTCAAGGACGGATCCAGCGGTTAGAGTGTCA
 AATCAACAGTGCTTGACTTCTTCCACTGCTCTGGAGCTGGCTGTGGACAGAGGGAGATCCAGCAC
 GTCTGTCTGTATGAAATTGGCTGGTGCAGCATGATTGAACTCACTTCAAGGATGCATTTGATTCTTCG
 AGAGGCTGAAGAACGAGTCCCGTGGTCCAGTGCTACTACGCATATCTGACTGCAGTTTGTGAGGAGC
 CACTGGTGATGTGGATGGGGCACAACTTGTTTTTAAAGAAGTCCAGAAGCTGTTCAAAGGAAAAACAAC
 CAGATTGAACAGTTTTCTGTGAAGAAGGCTGAGCGATTCGGAAGCAAACCCCAACCAGAGCGCTGTGTG
 TGCTGGCTCCATTGAAGTGCTCTACTTGTGGAAGCCCTTCCCAACTGCTCTTCCCAACCTGCAGAG
 GATGAGTCAAGCTTGCCATGAAGTGACGATTCTGTCTGTTGGATTAAAGCATTGCTCCTTGGTGCC
 ATACACAAATGTCTAGGAACTCACAAGATGCTCTTCACTTCTTCCAGCGAGCTGCTAGAGATGAGCTAT
 GTCGACAGAGTAAGTACGTCCCGCCATATGCGAGCTATGAGCTTGGCTGTCTCTACTGGACAGCGC
 AGAGACTGTGGGAAGAGGCAGAACTCTACTTCTCAGGCAAAGGAGGATTTTCTGGCTACGACTTTGAA
 AACAGATTGCACGTCCGCATCCAGCTGCTCTGGCCTCCCTAAGGGAAGTTGTTCCGCAG

ACGCGTACGCGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209094 representing NM_028341
 Red=Cloning site Green=Tags(s)

MAGSEEQWPRRREDGDPDAAAAPLQDAELALAGINMMLNNGFRESQDLFKQYRNHSPMSFGASVFSFLN
 AMMTFEEEEKMLACDDLKTTEKLCESEEAGVIETIKNKIKKNVDARKSTPSMVDRLQRQIIADQVYLA
 VLSFVKQELSAIKGGWILRKAWKIYSKYVDINALQELYQKKLTEEPLASDAANDNHVVAEGVTEESLS
 RLKGAVSFGYGLFHLICISMVPPNLLKIINLLGFPDRLQGLSSLTYASESKDMKAPLATLALLWYHTVVR
 PFFALDGSNDKGGGLDEAKAILLRKESAYPNSSLFMFFKGRIQRLECQINSALTSFHTALELAVDQREIQH
 VCLYEIGWCSMIELNFKDAFDSFERLKNESRWSQCYAYLTAVCQGATGDVDGAQLVFKEVQKLFKRKNN
 QIEQFSVKKAEFRKQTPTRALCVLASIEVLYLWKALPNCSPNLQRMSQACHEVDDSSVVLKHLLLGA
 IHKCLGNSQDALQFFQRAARDELCRQSNSYVPPYASYELGCLLLDSAETVGRGRTLLQLAKEDFSGYDFE
 NRLHVRHHAALASLRELVPQ

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_028341

ORF Size: 1740 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.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_028341.1](#), [NP_082617.1](#)

RefSeq Size: 2119 bp

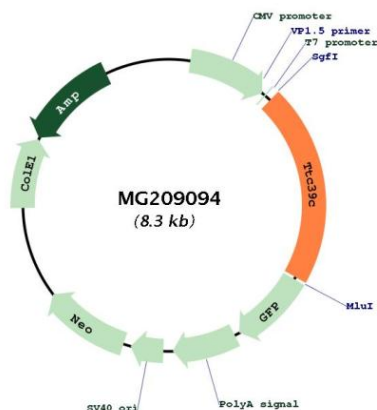
RefSeq ORF: 1743 bp

Locus ID: 72747

UniProt ID: Q8VE09

Cytogenetics: 18 A1

Product images:



Circular map for MG209094