

Product datasheet for **RR203093**

Ttc39a (NM_001134519) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc39a (NM_001134519) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc39a
Synonyms:	RGD1311126
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR203093 representing NM_001134519
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCACGGCTAGCGGCCCGGGGACCTGCCCGGGGTCTCCGGTGAAGCAGCCTCCATGAGGCCCTGG
 ACCAGTGCATGACAGCCCTGGACCTCTTCTTACCAACCAGTTCTCAGAAGCACTCAGCTACCTCAAACC
 CAGAACCAAGGAGAGCATGTATCACTCCCTGACGTATGCCACCATCCTGGAGATGACAGGCCATGATGACC
 TTCGACCCCAAGGACATCCTGCTTGTGCAACATGATGAAGGAGGCGCAGTCGCTGTGTGAGAGGCACC
 GAAGGAAGTCTCTGTGACAGACTCGTTTACGAGCCTGGTGCACCGTCCCACCATTGACCAGTTCACAGA
 AGAGGAGATCCACGCAGAGGTCTGTTATGCAGAATGCCTACTGCAGAGAGCAGCCCTGACCTTCTGCAG
 GACGAGAACATGGTGAGCTTCAAGGGTGGCATCAAAGTTCGGAACAGCTACCAGACTTACAAGGAAC
 TAGACAGCCTCGTCCAGTCTCACAACTCGAAGGGTGAGAGCCACAGACTTCAAGGAGGGGTGAA
 GCTCGGTGATGGGGCCTCAACCTGACGCTGTCCATGCTTCCACTAGGATTCTGAGGCTACTGGAGTTT
 GTCGGGTTTTTTCAGGAAACAAGGACTACGGGCTGCTGCAGCTGGAGGAGGGCGCGACCGGGACAGCTTCC
 GCGCAGTGTGTGCGTATGCTGTTGCTGTGTTATCACACCTTCCACCTTCTGCTCGGTACTGGGAA
 TGTCAACATCGAGGAGGCAGAGAAGCTGCTGAAGCCCTACCTGAACCGATACCCCAAGGGCGCCATCTTC
 CTGTTCTTTGCTGGGCGGATTGAAGCTATCAAAGGAAATATTGATGCTGCTGTCCGGCGGTTTGAAGAGT
 GCTGTGAGGCTCAGCAGCACTGGAAGCAGTTTACCACATGTGCTACTGGGAGCTGATGTGGTGTCTTAC
 CTACAAGGTCAGTGGAAATGGCCTACTTCTATGCCGACCTGCTGAGCAAGGAGAACTCCTGGTCCAAG
 GCCACCTATATCTACATGAAGGCTGCCTACCTCAGCATGTTTGGGAAGGAAGACTACAAGCCATTCGGGG
 ACGATGAAGTGGAGTTGTTCAAGGCTGTGCCAGGCTTGAAGCTCAAGATTGCTGGGAAATCTTACCCAC
 AGAGAAGTTTGCTATCCGGAAGTCCAGGCGCTACCTCTCCCCAACCCCATCTCCTTGCCAATCCCTGCT
 CTGGAGATGATGTACATCTGGAACGGCTATGCTGTGATTGGGAAGCAGCAGAAGCTCACTGATGGGATGC
 TGGCAGTCATCACAAAGCTGAAGAGATGCTGGCCATGGGCCAGAGAATGAGTACTCAGCAGATGACGA
 CTGCTGGTCAAATTGCTGAAAGCCTATGTCTGAAATACCTGGGCCGAATCCAAGAGGCAGAGGAGAAT
 TTCAGGAGCATTCTGCAAATGAAAAGAAAATTAATATGACCATTACTTGATTCCAAATGCTCTACTGG
 AGCTGGCCCTGCTATTTATGGAGCAAGGCAGAAATGAAGAGGCCATCAAACCTCTAGACTCTGCAAAGCA
 AAATAACAAGAACTACTCCATGGAGTCAAGGACACATTTTCGGATCCAGGCAGCCACACTGCAGTGGGAT
 TGCACAAGAATGTCTGTGAGAAGCAAAGACAGCCTTTTTACCAGTGTGGCCAAAGCCTTACACATACG
 GGTACCTGTTTTACTACTGTGATGTTAAGAGAATGTATGAACAGTTTACATTTCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203093 representing NM_001134519
 Red=Cloning site Green=Tags(s)

MTTASGPGDLPAGSPVSSLHEALDQCMTALDLFLTNQFSEALSYLKPRTKESMYHSLTYATILEMQAMMT
 FDPQDILLAGNMKEAQSQCQRHRRKSSVTDSSSLVHRPTIDQFTEEEIHAIEVCYAECLLQRAALTFLLQ
 DENMVSFIKGGIKVRNSYQTYKELDSLQSSQYSKGESHRHFEGGKLVGVAFNLTLSMLPTRILRLLLEF
 VGFSGNKDYGLLQLEEGATGHSFRAVLVCMVLLCYHTFLTFVLGTGNVNIIEAEKLLKPYLNRYPKGAIF
 LFFAGRIEAIKGNIDAAVRRFEECEAQHWKQFHMCYWELMWCFTYKQWKMAFYADLLSKENSWK
 ATYIYMKAAAYLSMFGKEDYKPFGDDEVELFRAVPLKLLKIAKSLPTEKFAIRKSRRYLSNPISLPIPA
 LEMMYIWNKYAVIGKQQLTDGMLAVITKAEMLAMPENEYSADDCLVKLLKGLCLKYLGRIQEAEEN
 FRSISANEKKIKYDHYLIPNALLELALLFMEQGRNEEAIKLLDSAKQNYKNYSMESRTHFRIQAATLQWD
 CTRMSVQKQRQPFYQCGQSLHTYGYLFYTMFKRMYEQFTFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

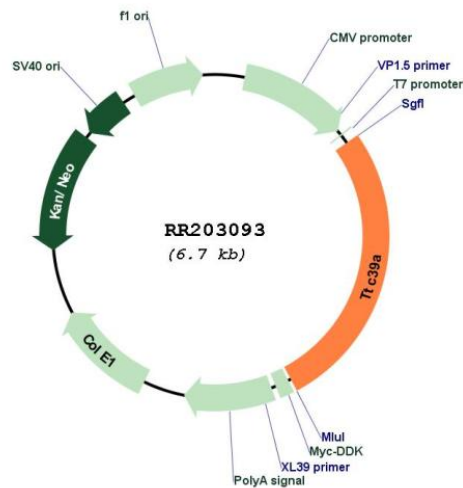
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001134519

ORF Size: 1806 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:	<ol style="list-style-type: none"> 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.
RefSeq:	NM_001134519.1 , NP_001127991.1
RefSeq Size:	2647 bp
RefSeq ORF:	1809 bp
Locus ID:	298366
Cytogenetics:	5q35
MW:	69.2 kDa