

Product datasheet for **RR200574**

Ttc38 (NM_001130499) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc38 (NM_001130499) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc38
Synonyms:	RGD1306041
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR200574 representing NM_001130499
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCACTGAGAGACTGCCAGGCGTGAAGGATGCTGGGCTCCACTCTCAACCACAAGCAATGAAGCCT
 GCAAGCTGTTTCGATGCCACCTTGACCCAGTACGTCAAGTGGACCAATGACAAGAGTCTTGGTGGCATCGA
 GGGCTGCTTGTCAAAGCTTAAGGCAGCAGATCCAACCTTCGCCATGGGCCTTGCCATCTCTAACGGCCTT
 GTGCTCATTGGCACGGGAACCTCCGTGAAGCTGGACAAAGACCTGGACCTGGCTGTGAAGACCATGGTGG
 AATTTTCTCAAACCCAGACTCTGACGCCCGGGAGCGGCTGCATGTGTCTGCGGTGGAGATGTTTGCCAA
 GGGGAACCTCCCAAAGCCTGTGAACCTGGGAACAGATCCTCCGGGACCACCCGACAGACATGCTGGCC
 CTGAAGTTTTCCACGATGCCTACTTTTACCTGGGCTACCAGGAGCAGATGCGCGATTCCGTGGCTCGAG
 TTTACCCCTTCTGGACCCCTGACACCCCTTAGCAGCTATGTGAAAGGGATCTATTCTTCGGACTGAT
 GGAAACCAACTTCTATGACCAGGCACAGAAGCTCGCAAAGAGGCTCTATCTATCGAGCCACAGACGCG
 TGGTCAGTGACACTGTGGCCACATACACGAAATGAGAGCAGAGATCAAAGATGGGCTGGAGTTCATGC
 AGCATTCCGAAGGCCACTGGAAGGACTCCGATATGCTCGCCTGCCATAATTACTGGCACTGGGCCCTGTA
 CTTGATTGAAAAGGGAGACTACGAGGCAGCACTAACCATCTACGACAGCCATATCCTCCCCAGCCTGAAG
 GCCAGTGGCGCCATGCTGGATGTGGTGGACAGTTGTTCCATGCTCTACCGTCTTCAGATGGAAGGGGTG
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 CAATGATGCGCACTTCTGATGGCCTCGCTGGGTGCACAGGACCTCCAGACCACGAGGAGCTGCTGACC
 ACCCTGCAGGAGGCCAGCAAGTCCCCAGGGGAGAACTGCCAGCACCAGTTAGCGAAAGACGTTGGGCTGC
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 CCGATACCAAATCGTCCAGATTGGGGGAGCAATGCCAGAGAGATGTCTTCAACCAGCTGCTGATTCAT
 GCGGCCCTCACCTGCACCTCCAGCGTCCATAAGAATGTGGCCCGAGCCTTCTGATGGAGCGTGACGCT
 TGA AACCAACTCACCCCTGACGGAGCGGCTGATCCGCAAGGCAACAGCTGTCCATCTTATGCCG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200574 representing NM_001130499
 Red=Cloning site Green=Tags(s)

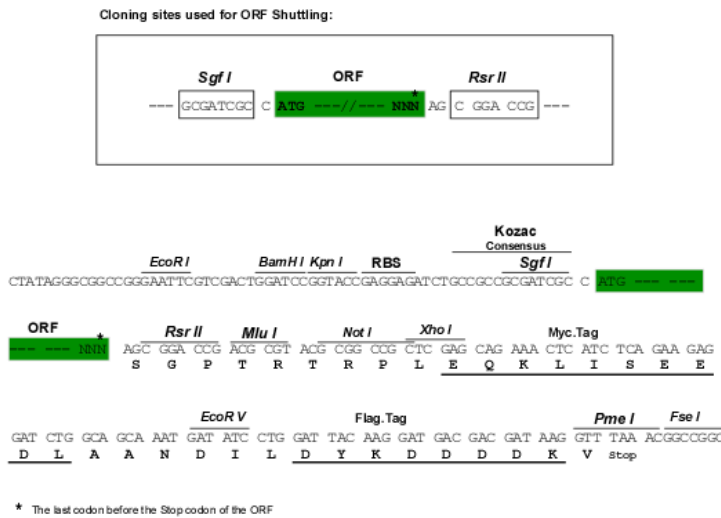
MSLRDCQAWKDALPLSTTSNEACKLFDATLTQYVKTNDKSLGGIEGCLSKLKAADPTFAMGLAISNGL
 VLIGTGTSVKLDKDLAVKTMVEFSQTQTLTPRERLHVSAVEMFAKGNFPKACELWEQILRDHPTDMLA
 LKFSHDAYFYLYGYEQMRDSVARVYVFWPTDPLSSYVKGIIYSFGLMETNFYDQAQKLAKEALSIEPTDA
 WSVHTVAHIHEMRAEIKDGLEFMQHSEGHWKSDMLACHNYWHWALYLIEKGDYEAALTIYDSHILPSLK
 ASGAMLDVVDSCSMLYRLQMEGVSLGQRWQAVLPMTKKHTRDHILLFNDAHFLMASLGAQDLQTTQELLT
 TLQEASKSPGENCQHQLAKDVGLPLCQALVEAENGNSDRVIELLLPIRYQIVQIGGSNAQRDVFNQLLIH
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SGP**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

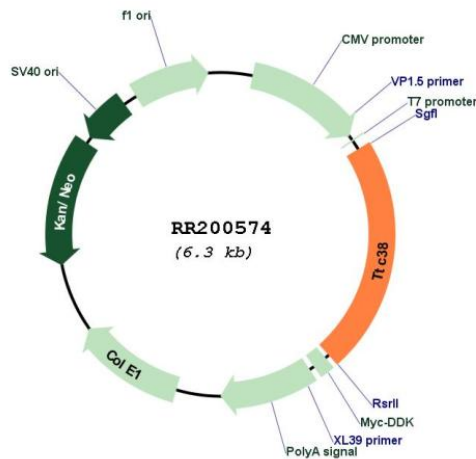
Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130499

ORF Size: 1395 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.

RefSeq: [NM_001130499.1](#), [NP_001123971.1](#)

RefSeq Size: 1704 bp

RefSeq ORF: 1398 bp

Locus ID: 300125

Cytogenetics: 7q34

MW: 52.2 kDa