

Product datasheet for **RR217439**

Ciita (NM_001270804) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ciita (NM_001270804) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ciita
Synonyms:	C2ta; Mhc2ta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217439 representing NM_001270804 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCTGGGGTCTCCAGAGGGCAGCTACCTGGAGCTCCTAACAGTGATGCTGACCCCTACACCTCT
ACCACCTCTATGACCAGATGGACCTTGCTGGGGAGGAAGAGATCGAACTCAACTCAGAGACAGACATGGA
CACCATCAACTGTGACCAGTTCAGCAAGCTGTTGCAGGATATGGAAATGGATGAAGAGACCCGGGAGGCC
TATGCCAATATCGCGGAACTGGATCAGTACGTGTTCCAGGATACCCAGCTGGAGGGCCTGAGCAAGGACC
TCTTCATACAGCACATTGGACCAGAGGAAGGCTTTGGTGAGAACGTAGAGGGCCCTGCAGAATCAGGAGA
GAAGCCTCAGAAGAGACGCTTCCAGAAGAGCATGCTATGGACTCAAAGCACAGGAACTAGTGCCTCCC
TCTAGGACCTCACTGAATTTGGATCTCCCCGCTGGGCATATCCAGATCTTCACCACTCTGCCCCAGG
GACTCTGGCAAATCTCAGGGGTTGGCACAGGGCTCTCCAGTGTCTAGTCTACCACGGTGAGATGCCCA
GGTCAACCAATTACTCTTTCAAGCAGCCCCACTGTCCCCAGTCTCCCCGAGTCCCAGACCCGGCCTGGC
TCCACCAGCCCCCTCGCGCCATCCACAGCTGACCTGCCCGCATGCCTGAACCTGCTGTACCTCCCGTGC
TAAATGAGACAGAGGACACAACACCCCTCCCATGCCAAGAGGATCCCGAGCCTTCCATCAAGCTTCC
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CCTGCTCCTCACAGCCCGGCCCGGGGCCCTGGCTCAGAGCCTGAGCAAGGCAGATGCCATCTTCGAG
GTGCCAGCTTCTACGAAACAGGCCAGATCTATATGAGGCACTACTTTGAGAACTCAGGGACAGCAG



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GGAGTCACGACAAGGCCCTGGGCCTCTGGAGGGCCAGCCTTTCTCCTCACCCACAGTCACAGCCCTGT
TCTGTGCAGTGCCGTGTGTGAGCTCTCCAAGGCCCTGCTGGATCAGGGCGCAGAGGCCAGCTACCTTGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217439 representing NM_001270804
Red=Cloning site Green=Tags(s)

MELGSPEGSYLELLNSDADPLHLYHLYDQMDLAGEEEIENSETDMDTINCDQF SKLLQDMEMDEETREA
YANIAELDQYVFQDTQLEGLSKDLFIQHIQPEEGFGENVEGPAESGEKPKRRFP EEEHAMDSKHRKLVPP
SRTSLNYLDLPAGHIQIFTTLPQGLWQISGVGTGLSSVLVYHGEMPQVNQLLSSSSPTVPSLPESDRPG
STSPFAPSTADLPGMPEPALTSRVNETEDTTPSPCQEDPEPSIKLPKWPEVERFQHS LQDKYQALPGS
PSGPLVAMELVRARLERGSNKSQERELATPDWTERQLAHGGLAEVLRVVGDSRRSRETQVAVL GKAGQG
KSHWARTVSHIWAQQLPQYDFVFYVPCQLDRPGDTYHLRDL LCPPNLQPLAMDDEVIDHIVRQPDRVL
LILDAFEELAQDSSLHGPGPLSPEPCSLRGLLAGLFQRKLLRGCTLLL TARPRGRLAQSLSKADAI FE
VPSFSTKQAQIYMRHYFENSGTAGSHDKALGLLEGQPFLLTHSHSPVLCSAVCQLSKALLDQGAEQ LPC
TLTGLYVGLLGPAAQNSPPGALVELAKLAWELGRRHQSTLQETQFPSVEVKTWAVAQGLMQQTTEAQLAF
SSFLLQCFLGAVWLAQCNEKDKELPQYLALTPRKRKPYDNWLEGVPRFLAGLVFQPRACHL GALVEPAM
AAVADRKRKVLTRYLKRKLGTLRAGRLLELLHCAHETQEPGIWKHVSHQLPGHLSFLGTRLTAPDVVYL
GRALETASQDFSLDLRQTGIEPSRLGDLVGLSCVTSFRASLSDTMALWESLQHQGETQLLQAAEEKFTIE
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LDLDSLSENKIGDKGVSKLSATFPQLKALETLNLSQNSITDVGACKLAEALPALAKSLRLSLYNNCICD
EGAKSLARVLPDMVSLRVMVDVQFNKFTAVGAQQLTSSLQKCPQVETLAMWTP TIPFGVQEHLQQLDARIS
LR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

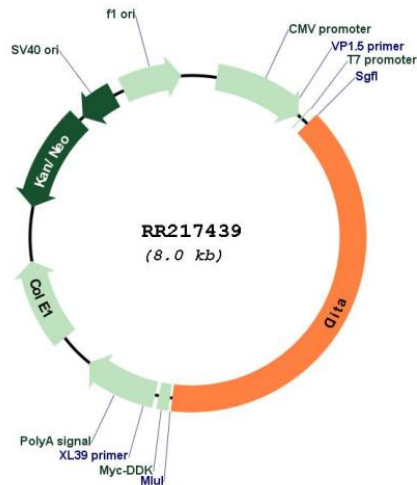
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001270804

ORF Size: 3156 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:	<u>NM_001270804.1, NP_001257733.1</u>
RefSeq Size:	5004 bp
RefSeq ORF:	3159 bp
Locus ID:	85483
Cytogenetics:	10q11
MW:	116.1 kDa
Gene Summary:	may play a role in transcriptional activation of MHC class II genes [RGD, Feb 2006]