

Product datasheet for RR217454

Ciita (NM_001270803) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ciita (NM_001270803) 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:	>RR217454 representing NM_001270803 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCTGCCAGGTTCCCGCCCTTCTGGGTCTTACCTGCAAGGCCATACTCTGTGTGCCACCATGGAGC
TGGGGTCTCCAGAGGGCAGCTACCTGGAGCTCCTTAACAGTGATGCTGACCCCTACACCTCTACCCT
CTATGACCAGATGGACCTTGCTGGGGAGGAAGAGATCGAACTCAACTCAGAGACAGACATGGACACCATC
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ATATCGCGGAAGTGGATCAGTACGTGTTCCAGGATACCCAGCTGGAGGGCCTGAGCAAGGACCTTTCAT
ACAGCACATTGGACCAGAGGAAGGCTTTGGTGAGAACGTAGAGGGCCCTGCAGAATCAGGAGAGAAGCCT
CAGAAGAGACGCTTCCAGAAGAGCATGCTATGGACTCAAAGCACAGGAAACTAGTGCCTCCCTCTAGGA
CCTCACTGAACTATTTGGATCTCCCCGCTGGGCATATCCAGATCTTCACCACTCTGCCCCAGGGACTCTG
GCAAATCTCAGGGGTTGGCACAGGGCTCTCCAGTGTCTAGTCTACCACGGTGAGATGCCCCAGGTCAAC
CAATTACTCTCTCAAGCAGCCCCACTGTCCCCAGTCTCCCCAGTCCCCAGACCCGGCCTGGCTCCACCA
GCCCCCTCGGCCATCCACAGTGAACCTGCCCGCATGCCTGAACCTGCTGACCTCCCGTGAATGA
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CCAGAGTCCGTGGAGCGTTCCAGCACTCCCTACAGGACAAGTACCAAGCACTGCCCGGGAGCCAAAGTG
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GGCGACTCCAGGAGATCACGAGAGACACAGGTGGTCGCTGTGCTGGGCAAGGCTGGTCAGGGCAAGAGCC
ACTGGGCCAGGACAGTGAACACATTTGGGCACAAGGCCAGTTACCACAATATGACTTTGTCTTCTACGT
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CTCACAGCCCGCCCCGGGGCCGCTGGCTCAGAGCCTGAGCAAGGCAGATGCCATCTTCGAGGTGCCCA



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GCTTCTCTACGAAACAGGCCAGATCTATATGAGGCACTACTTTGAGAACTCAGGGACAGCAGGGAGTCA
 CGACAAGGCCCTGGGCTCCTGGAGGGCCAGCCTTTTCTCCTCACCCACAGTCACAGCCCTGTTCTGTGC
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 AGCGGATGCAGCAAGGATCTTCTGCCATCCGGGACCTTAAGAAGCTAGAGTTTGCATTGGGCCCCGTC
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 GAAGGCCCTGGAGACGCTCAACCTGTCCAGAATAGCATCACCGATGTGGGAGCTTGAAGCTTGCAGAA
 GCCCTGCCGGCCCTGGCCAAGTCCCTCCTAAGGCTGAGCTTGTACAACAACCTGCATCTGTGACGAAGGG
 CCAAGAGCCTGGCAGAGTGTTCAGACATGGTGTCCCTCCGGGTGATGGATGTCCAGTTCAACAAGTT
 CACGGCTGTGGGGCCCAGCAGCTGACCTCCAGCCTTCAAGAGTCCCTCAGTGGAGACTGGCAATG
 TGGACACCCACTATCCCCTTTGGGGTCCAGGAACCTGCAGCAGCTGGATGCCCGGATTAGCCTGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217454 representing NM_001270803
 Red=Cloning site Green=Tags(s)

MRCQVPGPSYSYLQGH TLCATMELGSPEGSYLELLNSDADPLHL YHLYDQMDLAGEEEIELNSETDMDTI
 NCDQFSKLLQDMEMDEETREAYANIAELDQYVFQDTQLEGLSKDLFIQHIGPEEGFGENVEGPAESGEKP
 QKRRFPPEEHAMDSKHKRLVPPSRTSLNYLDLPAGHIQIFTTLPQGLWQISGVGTGLSSVLVYHGEMPQVN
 QLLSSSSPTVPSLPESPDRPGSTSPFAPSTADLPGMPEPALTSRVNETEDTTPPSPCEDPEPSIKLPKW
 PESVERFQHS LQDKYQALPGSPSGPLVAMELVRARLERGSNKSQERELATPDWTERQLAHGGLAEVLRV
 GDSRRSRETQVAVL GKAGQGKSHWARTVSHIWAQQLPQYDFVYVPCQCLDRPGD TYHLRDL LCPPNL
 QPLAMDDEVIDHIVRQPDRVLLILDAFEELEAQD SLLHGPCGPLSPEPCSLRGLLAGLFQRKLLRGCTLL
 L TARPRGRLAQSLSKADAI FEVPSFSTKQAQIYMRHYFENSGTAGSHDKALGLLEGQPFL LTHSHSPVLC
 SAVCQLSKALLDQGAEALPCTLTGLYVGLLGPAAQNSPPGALVELAKLAWELGRRHQSTLQETQFPVSVE
 VKTWAVAQGLMQTTTEAQLAFSSFL LQCFLGAVWLAQC NEMKDKELPQYLALTPRKRKRYDNWLEGVPRF
 LAGLVFQPRAHCLGALVEPAMAAVADRKRKVLTRYLKR LKLGTLRAGR LLELLHCAHETQEPGIWKVSH
 QLPGHL SFLGTRLTAPDVYV LGRALETASQDFSLDLRQTGIEPSRLGDLVGLSCVTSFRASLSDTMALWE
 SLQH QGETQLLQAAEEKFTIEPFKAKSPKDVEDLSL VQTQR LRNPSADA AKDLPAIRDLKKLEFALGPV
 LGPQAFPTLAKILPAFSS LQHLDSLSENKIGDKGVSKLSATFPQLKALETNL SQNSITDVGACKLAE
 ALPALAKSLLRLSLYNNICDEGAKSLARVLPDMVSLRVM DVQFNKFTAVGAQQLTSSLQKCPQVETLAM
 WTPTIPFGVQEHLQQLDARISLR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001270803.1, NP_001257732.1</u>
RefSeq Size:	5076 bp
RefSeq ORF:	3222 bp
Locus ID:	85483
Cytogenetics:	10q11
MW:	118.3 kDa
Gene Summary:	may play a role in transcriptional activation of MHC class II genes [RGD, Feb 2006]