

Product datasheet for MC229343

Ciita (NM_001243761) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ciita (NM_001243761) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ciita
Synonyms:	C2t; C2ta; EG669998; Gm9475; Mhc2ta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229343 representing NM_001243761 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGGCAGCACTCAGAAGCACGGGGCACAGCCACAGCCGCGACCATAGTCTGTGTGCCACCATGGATC
TGGGATCTCCAGAGGGCAGCTACCTGGAACCTTAACAGTGATGCCGACCCCTACATCTCTACCACCT
CTATGACCAGATGGACCTGGCTGGGAGGAGGAGATCGAACTCAGCTCAGAGCCAGACACAGATACCATC
AACTGCGACCAAGTTCAGCAAGCTGTTGCAGGACATGGAAGTGGATGAAGAGACCCGGGAGGCCTATGCCA
ACATTGCGGAAGTGGATCAGTACGTGTTCCAGGATACCCAGCTCGAGGGCCTGAGCAAGGACCTTTCAT
AGAGCACATTGGAGCAGAGGAAGGCTTTGGTGAGAACATAGAGATCCCTGTAGAAGCAGGACAGAAGCCT
CAGAAGAGACGCTTCCCGAAGAGCATGCTATGGACTCAAAGCACAGGAAGCTAGTGCCACCTCTAGGA
CCTCACTGAACTATTTGGATCTCCCACTGGGCACATCCAGATCTTCACCACTCTGCCCCAGGGACTCTG
GCAAATCTCAGGGGCTGGCACAGGTCTCTCCAGTGTCTAATCTACCACGGTGAGATGCCCCAGGTCAAC
CAAGTGCTCCCTCAAGCAGCTCAGTATCCCCAGTCTCCCCGAGTCCCCAGACCGGCCTGGCTCCACCA
GCCCCCTCACACCATCTGCAGTGACCTGCCAGCATGCCGAACCTGCGCTGACCTCCCTGTAATGA
GACAGAGGACACATCTCCCTCCCATGCCAAGAGGGTCCCGAGTCTTCCATCAAGCTTCCAAAATGGCCA
GAGGCTGTGGAGCGATTCCAGCACTCCCTACAGGACAAATACAAGGCATTGCCCCAGAGCCAAAGGGGTC
CTCTGGTGGCCGTGGAGCTGGTACGGGCCAGGCTGGAAAGAGGCAGCAACAAGAGCCAGGAAAGGGAGCT
GGCCACTCCCAGCTGGACAGAGCGCCAGCTAGCCACGGTGGTCTGGCAGAGGTACTTCAGGTTGTGAGT
GACTGCAGGCGACCAGGAGAGACACAGGTGGTCTGCTGTGGCAAGGCTGGCCAGGAAAGAGCCACT
GGGCCAGGACAGTGAGTACACCTGGGCATGTGGCCAGTTGCTACAATATGACTTTGCTCTATGTCCC
CTGTCTTGGATCGTCCCGGGACACCTACCACCTGCGGGATCTGCTGTGCCCCGAGCCTGCAG
CCACTGGCCATGGATGACGAGGTCCTTGATTATATCGTGAGGCAGCCAGCCGTTCTGCTCATCTAG
ATGCTTTTCGAGGAGCTAGAGGCCAAGATGGCCTCCTGCACGGACCTGTGGATCTCTGTCCCCAGAGCC
CTGCTCCCTCCGAGGACTGCTGGCTGGGATCTTCCAGCGGAAGCTACTGCGAGGCTGCACACTGCTCCT
ACAGCCCGGCCCGGGCCGCTGGCTCAGAGCCTGAGCAAGGCAGATGCCATCTTTGAGGTGCCAGCT



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TCTCTACCAAGCAGGCCAAGACTTACATGAGGCACTACTTTGAGAACTCAGGGACAGCGGGAAACCAAGA
 CAAGGCCCTGGCCTCCTGGAGGGCCAGCCTCTTCTCTGCAGCTATAGTCACAGCCCTGTTGTGTGCAGG
 GCTGTGTGCCAGCTCTCCAAGGCCCTGTAGAACAGGGCACAGAGGCCAGCTACCTTGTACACTTACAG
 GACTCTATGTGAGCCTGTAGGTCTGCAGCTCAGAACAGTCTCCCGGAGCCTTAGTCGAGCTGGCCAA
 GCTGGCCTGGGAGCTGGGACGAAGACACCAAAGCACCTTGCAAGAAACCCGGTTTTTCATCCGTGGAGGTG
 AAAACCTGGGCAGTGACCAAGGCTTGATGCAGCAGACCCTGGAGACCACGGAGGCTCAACTGGCCTTCT
 CCAGTTTTCTGCTACAGTGTTCCTGGGTGCTGTGTGGCTGGCACAGTGAATGAAATCAAAGACAAGGA
 GCTGCCACAGTACCTGGCCTTGACTCCGAGGAAGAAGAGACCCTATGACAACTGGCTGGAGGGTGTACCA
 CGTTTTCTGGCTGGATTAGTTTTCCAGCCTCGAGCCCACTGCCTGGGAGCTCTGGTGGAGCCTGCAGTGG
 CTGCAGTGGCGGATAGGAAACAGAAGGTTCTTACCAGGTACCTGAAGCGCCTGAAGCTGGGGACACTCCG
 GGCAGGGAGGCTGCTGGAGCTGCTCCACTGTGCCACGAGACACAGCAACCTGGGATATGGGAGCATGTT
 GCACACCAGTCCCTGGCCACCTCTCCTTCTGGGCACCCGGCTCACACCCCAAGATGTGTATGTGCTGG
 GCAGGGCCTTGGAGACAGCCAGCCAGGACTTCTCCTTGGACCTTCGTGAGTGGCGTTGAGCCTTCTGG
 ACTGGGAAACCTCGTGGGACTCAGTGTGTACCAGTTTCAGGGCCTCCTTGAGTGATACAAATGGCATT
 TGGGAGTCCCTTACGAGCAGGGAGAAGCCAGCTACTCCAGGCGCAGAGGAGAAGTTCACCATTGAGC
 CATTTAAAGCCAAATCCCAAGGATGTGGAAGACCTGGATCGTCTCGTGCAGACCCAGAGGCTGAGAAA
 CCCCTCAGAAGATGCAGCCAAGGATCTTCTGCCATCCGGGACCTTAAGAGCTAGAGTTTGCCTGGGGC
 CCCATCTTGGGCCCCAGGCTTTCCCACTGGCAAAGATCCTTCCAGCCTTCTTCTCTGCAACACC
 TGGACCTGGACTCACTTAGTGAGAAACAAGATCGGAGACAAGGGTGTGTGCAAGCTCTCAGCCACCTTCC
 TCAGCTGAAGGCCTGGAGACGCTCAACTTGTCCCAAAACAACATCACTGATGTGGGTGCCTGCAAGCTT
 GCAGAAGCTCTGCCAGCCCTAGCCAAGTCCCTCCTAAGGCTGAGCTTGTACAATAACTGCATCTGTGACA
 AAGGAGCCAAGAGCCTGGCACAAGTACTCCGGACATGGTGTCCCTGCGTGTGATGGATGTCAGTTCAA
 CAAGTTCACGGCTGCCGGTGGCCAGCAACTGGCCTCCAGCCTTCAAGAGTCCCTCAGGTGAAACACTG
 GCAATGTGGACACCCACTATCCCCTTTGGGGTTCAGGAACACCTGCAGCAGCTGGATGCCAGGATCAGTC
 TGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001243761
- Insert Size:** 3228 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001243761.2](#), [NP_001230690.1](#)

RefSeq Size: 5167 bp

RefSeq ORF: 3228 bp

Locus ID: 12265

UniProt ID: [P79621](#)

Cytogenetics: 16 A1

Gene Summary: This gene encodes a member of the NOD-like receptor protein family. This protein acts as a transcriptional coactivator and component of the enhanceosome complex to stimulate transcription of MHC class II genes in the adaptive immune response. This protein may also regulate the transcription of MHC class I genes. Mutations in the human gene have been linked to a rare immunodeficiency, bare lymphocyte syndrome, and homozygous knockout mice exhibit many features of this disease. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]
Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate start codon compared to variant 4. It encodes isoform 3, which is shorter and has a distinct N-terminus, compared to isoform 4.