

Product datasheet for MR231530

Ciita (NM_001302619) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ciita (NM_001302619) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ciita
Synonyms:	C2t; C2ta; EG669998; Gm9475; Mhc2ta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231530 representing NM_001302619 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTGGGATCTCCAGAGGGCAGCTACCTGGAACCTTAAACAGTGATGCCGACCCCTACATCTCT
ACCACCTCTATGACCAGATGGACCTGGCTGGGGAGGAGGATCGAACTCAGCTCAGAGCCAGACACAGA
TACCATCAACTGCGACCAGTTCAGCAAGCTGTTGCAGGACATGGAACGGATGAAGAGACCCGGGAGGCC
TATGCCAACATTGCGGAACTGGATCAGTACGTGTTCCAGGATACCCAGCTCGAGGGCCTGAGCAAGGACC
TCTTCATAGAGCACATTGGAGCAGAGGAAGGCTTTGGTGAGAACATAGAGATCCCTGTAGAAGCAGGACA
GAAGCCTCAGAAGAGACGCTTCCCGAAGAGCATGCTATGGACTCAAAGCACAGGAAGCTAGTGCCACC
TCTAGGACCTCACTGAACTATTTGGATCTCCCACTGGGCACATCCAGATCTTCACCACTCTGCCCCAGG
GACTCTGGCAAATCTCAGGGGCTGGCACAGGTCTCTCCAGTGTCTAATCTACCACGGTGAGATGCCCA
GGTCAACCAAGTGCTCCCTTCAAGCAGCCTCAGTATCCCCAGTCTCCCGAGTCCCAGACCCGCTGGC
TCCACCAGCCCTTACACCATCTGCAGCTGACCTGCCAGCATGCCGAACCTGCGTGACCTCCCGTG
TAAATGAGACAGAGGACACATCTCCCTCCCAAGAGGGTCCCAGTCTTCCATCAAGCTTCCAAA
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ACCAAGACAAGGCCCTGGGCCTCCTGGAGGGCCAGCCTCTTCTCTGCAGCTATAGTCACAGCCCTGTTGT
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 CCTTCCCTCAGCTGAAGGCCCTGGAGACGCTCACTTGTCCAAAACAACATCACTGATGTGGGTGCCTG
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 ATCAGTCTGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231530 representing NM_001302619

Red=Cloning site Green=Tags(s)

MDLGSPEGSYLELLNSDADPLHLYHLYDQMDLAGEEIEI SSEPDTDTINCDQF SKLLQDMELDEETREA
 YANIAELDQYVFDQTLQLEGLSKDLFIEHIGAE EGFGENIEIPVEAGQKPKRRFP EEEHAMDSKHRKLVPT
 SRTSLNYLDLPTGHIQIFTTLPQGLWQISGAGTGLSSVL IYHGEMPQVNQVLPSSSLSIPSLPESDRPG
 STSPFTPSAADLPSMPEPALTSRVNETEDTSPSPCQEGPESSIKLPKWPEAVERFQHSLQDKYKALPQSP
 RGPLVAVELVRARLERGSNKSQERELATPDWTERQLAHGGLAEVLQVSDCRRPGETQVVAVLGKAGQGK
 SHWARTVSHTWACGQLLQYDFVYVPCCHLDRPGDYHLRDL LCPPSLQPLAMDDEVLDYIVRQPDRVLL
 ILDAFEELEAQDGLLHGPGSLSPEPCSLRGLLAGIFQRKLLRGCTLLL TARPRGRLAQSLSKADAI FEV
 PSFSTKQAKTYMRHYFENSAGTAGNQDKALGLEGQPLLCSYSHSPVVCRAVCQLSKALLEQTEAQLPCT
 LTGLYVSL LGPAAQNSPPGALVELAKLAWELGRRHQSTLQETRFSSVEVKTWAVTQGLMQTLETTEAQL
 AFSSFLQCF LGAVWLAQCNEIKDEL PQYLALTPRKKRYPDNWLEGVPRFLAGLVFQ PRAHCLGALVEP
 AVAAVADRKQKVLTRYLKRKLGLTRAGRLLELLHCAHETQQPGIWEHVAHQLP GHL SFLGTRLTPPDVY
 VLGRALETASQDFSLDLRQTGVPEPSGLGNL VGLSCVTSFRASLSDTMALWESLQQQGEAQLLQAAEEKFT
 IEPFKAKSPKDVEDLDRLVQTQRLRNPS EDAADLPAIRD LKKLEFALGPILGPQAFPTLAKILPAFSSL
 QHLDLDSLSENKIGDKGVSKLSATFPQLKALETLNL SQNNITDVGACKLAEALPALAKSLLRSLYNNCI
 CDKGAKSLAQVLPDMVSLRVMDVQFNKFTAAGAAQQLASSLQKCPQVETLAMWTP TIPPFGVQEHLQLDAR
 ISLR

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_001302619.1, NP_001289548.1</u>
RefSeq Size:	5666 bp
RefSeq ORF:	3165 bp
Locus ID:	12265
UniProt ID:	<u>P79621</u>
Cytogenetics:	16 A1
MW:	116.7 kDa
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]