

Product datasheet for **MG222576**

Ciita (NM_007575) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ciita (NM_007575) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ciita
Synonyms:	C2t; C2ta; EG669998; Gm9475; Mhc2ta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222576 representing NM_007575 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCTGCCTGGTTCTGGCCCTTCTGGGTCTTACCTGCCGGAGTTGCAAGACCATAGTCTGTGTGCCA
CCATGGATCTGGGATCTCCAGAGGGCAGCTACCTGGAACCTTAAACAGTGATGCCGACCCCTACATCT
CTACCACCTCTATGACCAGATGGACCTGGCTGGGGAGGAGGAGATCGAACTCAGCTCAGAGCCAGACACA
GATACCATCAACTGCGACCAGTTTCAGCAAGCTGTTGCAGGACATGGAACCTGGATGAAGAGACCCGGGAGG
CCTATGCCAACATTGCGGAACTGGATCAGTACGTGTTCCAGGATACCCAGCTCGAGGGCCTGAGCAAGGA
CCTCTTCATAGAGCACATTGGAGCAGAGGAAGGCTTTGGTGAGAACATAGAGATCCCTGTAGAAGCAGGA
CAGAAGCCTCAGAAGAGACGCTTCCCGGAAGAGCATGCTATGGACTCAAAGCACAGGAAGCTAGTGCCCA
CCTCTAGGACCTCACTGAACTATTTGGATCTCCCCACTGGGCACATCCAGATCTTACCACCTCTGCCCA
GGGACTCTGGCAAATCTCAGGGGCTGGCACAGGTCTCTCCAGTGTCTAACTACCACGGTGAGATGCC
CAGGTCAACCAAGTGCTCCCTTCAAGCAGCCTCAGTATCCCCAGTCTCCCCGAGTCCCCAGACGGCCTG
GCTCCACCAGCCCTTACACCATCTGCAGCTGACCTGCCAGCATGCCGAACCTGCGTGACCTCCCG
TGTAATGAGACAGAGGACACATCTCCCTCCCCATGCCAAGAGGGTCCCGAGTCTCCATCAAGCTTCCA
AAATGGCCAGAGGCTGTGGAGCATTCCAGCACTCCCTACAGGACAAATACAAGGCTTGGCCAGAGCC
CAAGGGTCTCTGGTGGCCGTGGAGCTGGTACGGCCAGGCTGGAAAGAGGCAGCAACAAGAGCCAGGA
AAGGGAGCTGGCCACTCCCGACTGGACAGAGCGCCAGCTAGCCACGGTGGTCTGGCAGAGGTACTTCAG
GTTGTGCTGACTGCAGGCGACCAGGAGAGACACAGGTGGTGGTGTGGTGGGCAAGGCTGGCCAGGGAA
AGAGCCACTGGGCCAGGACAGTGAGTACACCTGGGCATGTGGCCAGTTGCTACAATATGACTTTGTCTT
CTATGTCCCTGTATTGCTTGGATCGTCCCGGGACACCTACCACCTGCGGGATCTGCTCTGTCCCCCG
AGCCTGCAGCCACTGGCCATGGATGACGAGGTCTTGTATTATATCGTGAGGCAGCCAGACCGTGTCTGC
TCATCCTAGATGCTTTCGAGGAGCTAGAGGCCCAAGATGGCTCTGACGGACCTGTGGATCTCTGTC
CCCAGAGCCCTGCTCCCTCCGAGGACTGCTGGTGGGATCTTCCAGCGGAAGCTACTGCGAGGCTGCACA



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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_007575.4</u> , <u>NP_031601.1</u>
RefSeq Size:	5153 bp
RefSeq ORF:	3237 bp
Locus ID:	12265
UniProt ID:	<u>P79621</u>
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]