

Product datasheet for **SC212637**

CIITA (NM_000246) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CIITA (NM_000246) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CIITA
Synonyms:	C2TA; CIITAIV; MHC2TA; NLRA
ACCN:	NM_000246
Insert Size:	2000 bp



[View online »](#)

Insert Sequence:

>SC212637 3'UTR clone of NM_000246

The sequence shown below is from the reference sequence of NM_000246. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAACAGGATTCACGGATCAGCCTGAGATGATCCACAGCTGTGCTCTGGACAGGCATGTTCTCTGAGGACA
CTAACACGCTGGACCTTGAACCTGGTACTTGTGGACACAGCTCTTCTCCAGGCTGTATCCCATGAGCC
TCAGCATCCTGGCACCCGGCCCTGCTGGTTTCAAGGTTGGCCCTGCCCGGCTGCGGAATGAACCACAT
CTTGCTCTGCTGACAGACACAGGCCCGGCTCCAGGCTCCTTTAGCGCCAGTTGGGTGGATGCCTGGTG
GCAGCTGCGGTCCACCCAGGAGCCCGAGGCTTCTCTGAAGGACATTGCGGACAGCCACGGCCAGGCC
AGAGGGAGTGACAGAGGCAGCCCATCTGCTGCCAGGCCCTGCCACCCTGGGGAGAAAGTACTTC
TTTTTTTTTATTTTAGACAGAGTCTACTGTTGCCAGGCTGGCGTGCAGTGGTGGATCTGGTTCA
CTGCAACCTCCGCTCTGGGTTCAAGCATTCTTCTGCTTCAGCCTCCCGAGTAGCTGGGACTACAGG
CACCCACCATCATGTCTGGCTAATTTTTCAATTTTAGTAGAGACAGGGTTTTGCCATGTTGGCCAGGCT
GGTCTCAAACCTTGACCTCAGGTGATCCACCCACCTCAGCCTCCCAAAGTGCTGGGATTACAAGCGTG
AGCCACTGCACCGGGCCACAGAGAAAGTACTTCTCCACCTGCTCTCCGACCAGACACCTTGACAGGGC
ACACCGGGCACTCAGAAGACACTGATGGCAACCCCGAGCCTGTAATCCCGAGATTGCAACAGGCTG
GGCTTCAGTGGCAGCTGCTTTTGTCTATGGGACTCAATGCACTGACATTGTTGGCCAAAGCCAAAGCTA
GGCCTGGCCAGATGCACAGCCCTTAGCAGGGAAACAGCTAATGGGACACTAATGGGGCGGTGAGAGGG
GAACAGACTGGAAGCACAGCTTCATTTCTGTCTTTTTTCACTACATTATAAATGCTCTTTAATGT
CACAGGCAGTCCAGGGTTTGGATTACATACCCTGTTACCATTTTTGGGGTACCCACTGCTCTGGTTATCT
AATATGTAACAAGCCACCCCAAATCATAGTGGCTTAAACAACACTCACATTTATTCTGCTCACATATC
TGTCATTTGAGCAGGGCTCAGCGGGGACAGCTCCTTCTGTCTACTCTGTGTCAGGTGGGCAGCTTGA
GGGTTGGGCTGGTGTACCTGAAGACTATTCTTCTGTACGTCTGACAGGCAATGCTGGCTGTTGGCTG
GGGGCCTCAGTGCCACTACGGAATAGTTGGCTAGGACCCCTCCATGTGGGCTAGTTGGGCTTCTCATA
GTATGGTGGCTGGGTTGGAGGGTGTCCCAAAAAGAAAGGAGGGGATAGAGAGAGACCCTTTTCATAAC
CTAGCCTTAGAAGTCACACAGTATTACTTCTGCTACATATATATGTTTTAAGAGGCAGGGTCTCACTCT
GTCGCCAGTCTGGAATGCAGTGGTATGATCACGGCTCACTGCAGCCTCAACCTCCTGGGCTAAGTGAT
CCTCCACCTCAGCCTCCGAATAGCTGGGACTACAGGTGTGAGTCACCAAGCCAGTTAATCTTTAGT
TTTTTTTTGTAGAGCCAGGGTCTCACTATGTTGCCAGGCAGGTCTGAACTCCTGGCCTCAAGTGAT
TCTCCTGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGTGTGAACCACCACCCAGCCACTTCTGCC
ATATTCTGTTGGCCAGTGTGACAAGGATTGCTACTGTCTACCCACCCTCCTTTCACCACATGTGCACA
TGCACGTGTGTGCACGTACACACACATACACACACCGCTGCACACACCAGAGCCACCTTGGCTCAA
GTCCTCTTTTCTGAGAGGACTTTTCTTTGTGGCTTCTAAAATTCAGTGGAAAATTAATTGTTGGGG
AGCGGACCGACTTACGCGTAAGCGGCCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCAGGATTTTCGATTCCACCGCCG
    
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Restriction Sites:

Sgfl-RsrII

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_000246.4](#)

Summary:

This gene encodes a protein with an acidic transcriptional activation domain, 4 LRRs (leucine-rich repeats) and a GTP binding domain. The protein is located in the nucleus and acts as a positive regulator of class II major histocompatibility complex gene transcription, and is referred to as the "master control factor" for the expression of these genes. The protein also binds GTP and uses GTP binding to facilitate its own transport into the nucleus. Once in the nucleus it does not bind DNA but rather uses an intrinsic acetyltransferase (AT) activity to act in a coactivator-like fashion. Mutations in this gene have been associated with bare lymphocyte syndrome type II (also known as hereditary MHC class II deficiency or HLA class II-deficient combined immunodeficiency), increased susceptibility to rheumatoid arthritis, multiple sclerosis, and possibly myocardial infarction. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]

Locus ID:

4261

MW:

71.9