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Product datasheet for MR231628

Ciita (NM_001243760) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ciita (NM_001243760) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ciita
Synonyms:	C2t; C2ta; EG669998; Gm9475; Mhc2ta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR231628 representing NM_001243760
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACCACTTCCAGGCCATCCTGGCCCAAGTACAGACACTGCTCTCCAGCCAGAAGCCCAGGCAGGTGC
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TGATGCCGACCCCCTACATCTCTACCACCTCTATGACCAGATGGACCTGGCTGGGGAGGAGGAGATCGAA
CTCAGCTCAGAGCCAGACACAGATACCATCAACTGCGACCAGTTCAGCAAGCTGTTGCAGGACATGGAAC
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GATCTGCTCTGTCCCCCGAGCCTGCAGCCACTGGCCATGGATGACGAGGTCCTTGATTATATCGTGAGGC
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ACCCTGTGGATCTCTGTCCCCAGAGCCCTGCTCCCTCCGAGGACTGCTGGCTGGGATCTTCCAGCGGAAG
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Protein Sequence:

>MR231628 representing NM_001243760
Red=Cloning site Green=Tags(s)

MNHFQAILAQVQTLLSSQKPRQVRALLDGLLEEELLSREYHCALLHEPDGDALARKISLTLLEKGDLDLT
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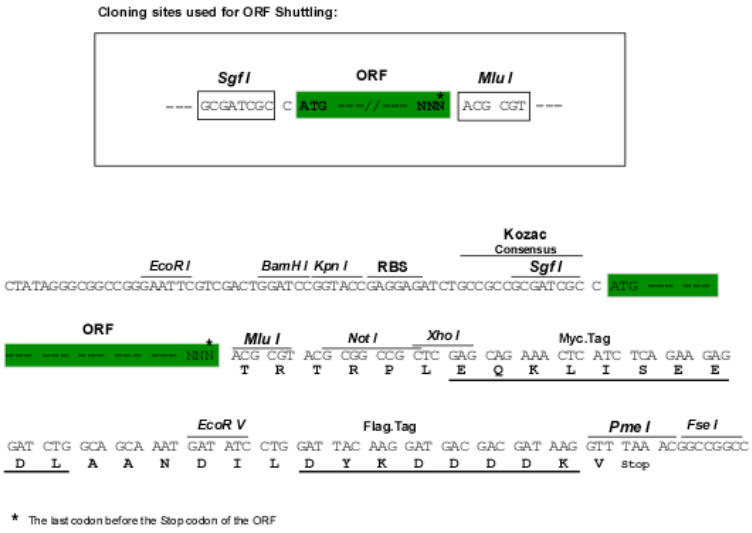
Restriction Sites: SgfI-MluI

Cloning Scheme:

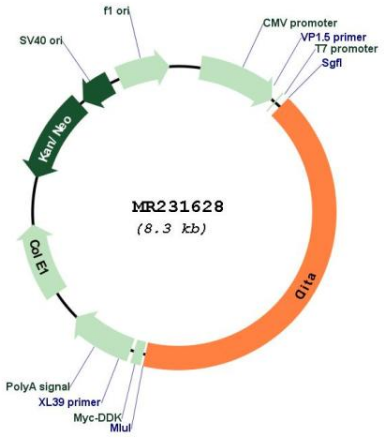


ACCN: NM_001243760

ORF Size: 3462 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001243760.2, NP_001230689.1
RefSeq Size:	5435 bp
RefSeq ORF:	3465 bp
Locus ID:	12265
Cytogenetics:	16 A1
MW:	127.9 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]

Product images:



Circular map for MR231628