

## Product datasheet for RC203741

### LTA (NM\_000595) Human Tagged ORF Clone

### **Product data:**

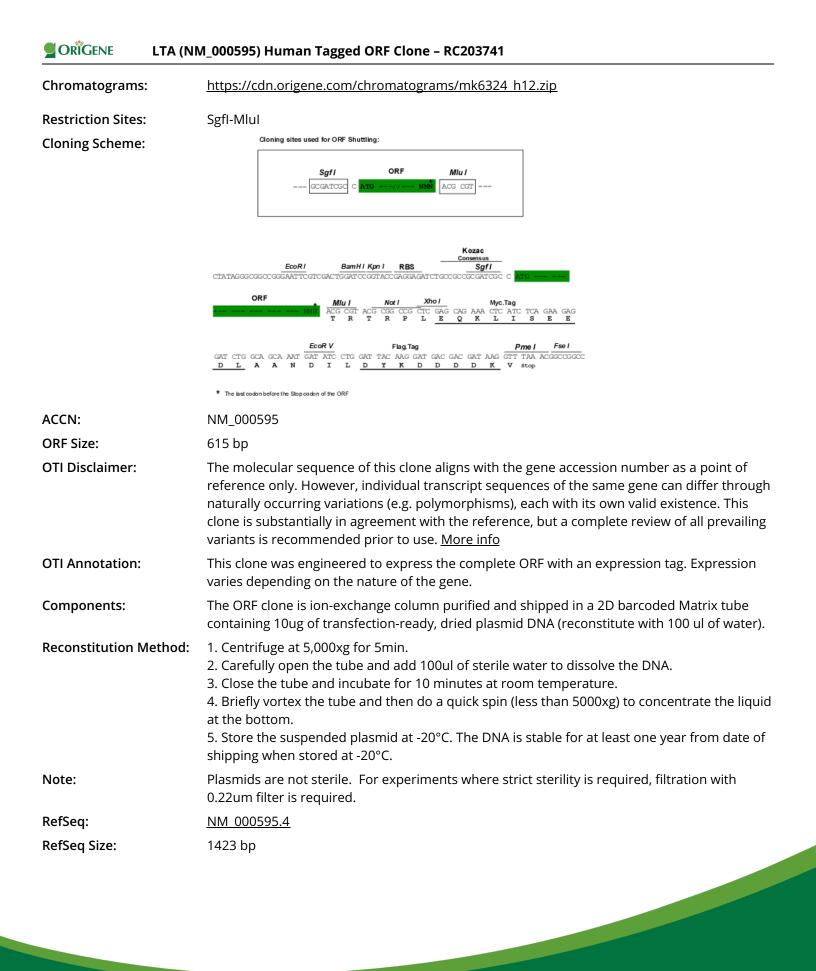
#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	LTA (NM_000595) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LTA
Synonyms:	LT; TNFB; TNFSF1; TNLG1E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC203741 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGACACCACCTGAACGTCTCTTCCTCCCAAGGGTGCGTGGCACCACCCTACACCTCCTCTTCTGGGGC TGCTGCTGGTTCTGCTGCCTGGGGCCCAGGGGCTCCCTGGTGTTGGCCTCACACCTTCAGCTGCCCAGAC TGCCCGTCAGCACCCCAAGATGCATCTTGCCCACAGCACCCTCAAACCTGCTGCTCACCTCATTGGAGAC CCCAGCAAGCAGAACTCACTGCTCTGGAGAGAGCAAACACGGACCGTGCCTTCCTCCAGGATGGTTTCTCCT TGAGCAACAATTCTCTCCTGGTCCCCACCAGTGGCATCTACTTCGTCTACTCCCAGGTGGTCTTCTCTGG GAAAGCCTACTCTCCCAAGGCCACCTCCTCCCCACTCTACTGGCCCATGAGGTCCAGCTCTTCTCCTC CAGTACCCCTTCCATGTGCCTCTCCAGCTCCCAGAAGATGGTGTATCCAGGGCTGCAGGAACCCTGGC TGCACTCGATGTACCACGGGGCTGCGTTCCAGCTCACCCAGGGAGACCAGCTATCCACCCAC
	ACGCGTACGCCGCCCGACGACGACGACGACGACGACGACGACGACG
Protein Sequence:	<pre>&gt;RC203741 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MTPPERLFLPRVRGTTLHLLLLGLLLVLLPGAQGLPGVGLTPSAAQTARQHPKMHLAHSTLKPAAHLIGD PSKQNSLLWRANTDRAFLQDGFSLSNNSLLVPTSGIYFVYSQVVFSGKAYSPKATSSPLYLAHEVQLFSS QYPFHVPLLSSQKMVYPGLQEPWLHSMYHGAAFQLTQGDQLSTHTDGIPHLVLSPSTVFFGAFAL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



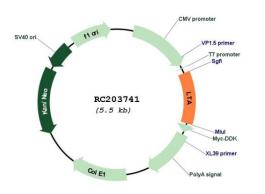
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

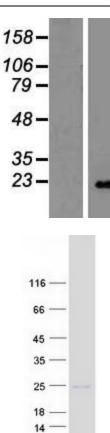
<b>ORIGENE</b> LTA (I	NM_000595) Human Tagged ORF Clone – RC203741
RefSeq ORF:	618 bp
Locus ID:	4049
UniProt ID:	<u>P01374</u>
Cytogenetics:	6p21.33
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Antigen processing and presentation, Cytokine-cytokine receptor interaction, Type I diabetes mellitus
MW:	22.3 kDa
Gene Summary:	The encoded protein, a member of the tumor necrosis factor family, is a cytokine produced by lymphocytes. The protein is highly inducible, secreted, and forms heterotrimers with lymphotoxin-beta which anchor lymphotoxin-alpha to the cell surface. This protein also mediates a large variety of inflammatory, immunostimulatory, and antiviral responses, is involved in the formation of secondary lymphoid organs during development and plays a role in apoptosis. Genetic variations in this gene are associated with susceptibility to leprosy type 4, myocardial infarction, non-Hodgkin's lymphoma, and psoriatic arthritis. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012]

# **Product images:**



Circular map for RC203741

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Western blot validation of overexpression lysate (Cat# [LY431786]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC228758] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified LTA protein (Cat# [TP303741]). The protein was produced from HEK293T cells transfected with LTA cDNA clone (Cat# RC203741) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US