

## Product datasheet for SC327393

### LTA (NM\_001159740) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LTA (NM_001159740) Human Untagged Clone
Tag:	Tag Free
Symbol:	LTA
Synonyms:	LT; TNFB; TNFSF1; TNLG1E
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001159740 edited

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CTCCCCATGACACCACCTGAACGTCTCTCCTCCCAAGGGTGCCTGGCACCACCCTACAC
CTCCTCCTTCTGGGGCTGCTGCTGTTCTGCTGCCTGGGGCCAGGGGCTCCCTGGTGTT
GGCCTCACACCTTCAGCTGCCCAGACTGCCGTGACACCCCAAGATGCATCTTGCCAC
AGCACCTCAAACCTGCTGCTCACCTCATTGGAGACCCAGCAAGCAGAACTCACTGCTC
TGGAGAGCAAAACACGACCGTGCCTTCCCTCCAGGATGGTTTCTCCTTGAGCAACAATTCT
CTCCTGGTCCCCACCACTGGCATCTACTTCGTCTACTCCAGGTGGTCTTCTCTGGGAAA
GCCTACTCTCCCAAGGCCACCTCCTCCCACTCTACCTGGCCCATGAGGTCCAGCTCTTC
TCCTCCAGTACCCCTTCCATGTGCCTCTCCTCAGCTCCCAGAAGATGGTGTATCCAGGG
CTGCAGGAACCTGGCTGCACTCGATGTACCACGGGGTGCCTTCCAGCTCAGCCAGGGA
GACCAGCTATCCACCCACACAGATGGCATCCCCACCTAGTCCTCAGCCCTAGTACTGTC
TTCTTTGGAGCCTTCGCTCTGTAGAACTTGAAAAATCCAGAAAGAAAAAATAATTGATT
TCAAGACCTTCTCCCCATTCTGCCTCCATTCTGACCATTTCAGGGGTGTCACCACTCT
CCTTTGGCCATTCCAACAGCTCAAGTCTTCCCTGATCAAGTCACCGGAGCTTCAAGAA
GGAATTCTAGGCATCCCAGGGGACCACTCCCTGAACCATCCCTGATGTCTGTCTGGC
TGAGGATTTCAAGCCTGCCTAGGAATCCCAGCCCAAAGCTGTTGGTCTGTCCCACCAGC
TAGGTGGGGCCTAGATCCACACACAGAGGAAGAGCAGGCACATGGAGGAGCTTGGGGAT
GACTAGAGGCAGGGAGGGGACTATTTATGAAGGCAAAAAATTAATTATTTATTTATGG
AGGATGGAGAGAGGGGAATAATAGAAGAACATCCAAGGAGAAACAGAGACAGGCCAAGA
GATGAAGAGTGAGAGGGCATGCGCAAGGCTGACCAAGAGAGAAAGAGTAGGCATGAG
GGATCACAGGGCCCCAGAGGCAGGGAAGGCTCTGAAAGCCAGCTGCCGACCAGAGCCC
CACACGGAGGCATCTGCACCTCGATGAAGCCCAATAAACCTCTTTCTGAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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Restriction Sites:	Please inquire
ACCN:	NM_001159740


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<b>Insert Size:</b>	1300 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001159740.1</u> , <u>NP_001153212.1</u>
<b>RefSeq Size:</b>	1459 bp
<b>RefSeq ORF:</b>	618 bp
<b>Locus ID:</b>	4049
<b>UniProt ID:</b>	<u>P01374</u>
<b>Cytogenetics:</b>	6p21.33
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Antigen processing and presentation, Cytokine-cytokine receptor interaction, Type I diabetes mellitus
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>