

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: PCMV6-Neo
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001159740 edited
 CTCCCCATGACACCACCTGAACGTCTCTCCTCCCAAGGGTGCCTGGCACCACCCTACAC
 CTCCTCCTTCTGGGGCTGCTGCTGGTTCTGCTGCCTGGGGCCAGGGGCTCCCTGGTGT
 GGCTCAGACCTTCCAGCTGCCAGACTGCCGTGAGCACCCTCAAGATGCATCTTGCCAC
 AGCACCCTCAAACCTGCTGCTCACCTCATTGGAGACCCAGCAAGCAGAACTCACTGCTC
 TGGAGAGCAAACACGGACCGTGCCTTCCAGGATGGTTTCTCCTTGAGCAACAATTCT
 CTCCTGGTCCCCACAGTGGCATCTACTCGTCTACTCCAGGTGGTCTTCTCTGGGAAA
 GCCTACTCTCCCAAGGCCACCTCCTCCCACTCTACTGGCCCATGAGGTCCAGCTCTTC
 TCCTCCAGTACCCCTTCCATGTGCCTCCTCAGCTCCAGAAGATGGTGTATCCAGGG
 CTGCAGGAACCTGGCTGACTCGATGTACCACGGGGTGCCTTCCAGCTCACCAGGGA
 GACCAGCTATCCACCCACACAGATGGCATCCCCACCTAGTCTCAGCCCTAGTACTGTC
 TTCTTTGGAGCCTTCGCTCTGTAGAACTTGAAAAATCCAGAAAGAAAAATAATTGATT
 TCAAGACCTTCTCCCATTTCTGCCTCCATTCTGACCATTTCAAGGGTTCGTCACCACCTCT
 CCTTTGGCCATTCCAACAGCTCAAGTCTTCCCTGATCAAGTCACCGGAGCTTTCAAAGAA
 GGAATTCTAGGCATCCCAGGGGACCACCTCCCTGAACCATCCCTGATGTCTGTCTGGC
 TGAGGATTTCAAGCCTGCCTAGGAATCCCAGCCCAAAGCTGTTGGTCTGTCCCACCAGC
 TAGGTGGGGCCTAGATCCACACACAGAGGAAGAGCAGGCACATGGAGGAGCTTGGGGAT
 GACTAGAGGCAGGGAGGGGAAATATAGAAGAACATCCAAGGAGAAACAGAGACAGGCCAAGA
 GATGAAGAGTGAGAGGGCATGCGCACAAGGCTGACCAAGAGAGAAAGAAGTAGGCATGAG
 GGATCACAGGGCCCCAGAAAGGCAGGAAAGGCTCTGAAAGCCAGCTGCCGACCAGAGCCC
 CACACGGAGGCATCTGCACCCTCGATGAAGCCCAATAAACCTCTTTTCTCTGAAAAAAA
 AA

Restriction Sites: Please inquire
ACCN: NM_001159740



[View online »](#)

Insert Size:	1300 bp
OTI Disclaimer:	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).
OTI Annotation:	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.
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_001159740.1</u> , <u>NP_001153212.1</u>
RefSeq Size:	1459 bp
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
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] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.