

Product datasheet for **SC111061**

LST1 (NM_007161) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LST1 (NM_007161) Human Untagged Clone
Tag: Tag Free
Symbol: LST1
Synonyms: B144; D6S49E; LST-1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_007161 edited
 GAATTCGGCACGAGGCCCTCGTGCCGAATTCGGCACGAGGGGAAGTGGAGCAAGTCACCA
 GCCCCTGATCATTTCGCCTAAAAGAGCAAGGACTAGAGTTCCTGACCTCCAGGCCAGTCC
 CTGATCCCTGACCTAATGTTATCGCGGAATGATGGCCAGGGCTCCTCAGAGCAGGAACT
 CCACTATGCATCTCTGCAGAGGCTGCCAGTGCCAGCAGTGAGGGACCTGACCTCAGGGG
 CAGAGACAAGAGAGGCACCAAGGAGGATCCAAGAGCTGACTATGCCTGCATTGCTGAGAA
 CAAACCCACCTGAGCACCCAGACACCTTCTCAACCCAGGCGGGTGGACAGGGTCCCCC
 TGTGGTCCAGCCAGTAAAAACCATGGTCCCCCTAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence: >OriGene 5' read for NM_007161 unedited
 AGAGGTCACTATTTGTATACGACTCATATAGGCGGCCGCGNATTCGGCACGAGGCCCTCGT
 GCCGAATTCGGCACGAGGGGAAGTGGAGCAAGTCAACAGCCCTGATCATTTCGCCTAA
 AAGAGCAAGGACTAGAGTTCCTGACCTCCAGGCCAGTCCCTGATCCCTGACCTAATGTTA
 TCGCGGAATGATGGCCAGGGCTCCTCAGAGCAGGAACTCCACTATGCATCTCTGCAGAG
 GCTGCCAGTGCCAGCAGTGAGGGACCTGACCTCAGGGGCAGAGACAAGAGAGGCACCAA
 GGAGGATCCACGAGCTGACTATGCCTGCATTGCTGAGAACAAACCCACCTGAGCACCCCA
 GACACCTTCTCAACCCAGGCGGGTGGACAGGGTCCCCCTGTGGTCCACCCAGTAAATAC
 CATGGTCCCCCTAAAAAAAAAAAAAAAAAACTCCGACTCTAACATTGGGGCCCCCGGTCC
 ATAGCGTGCCCTTCTGAAACAGACTCCCCGGGGTGGCACTCCCTTGTGACCCCTCCCCC
 AATGCCTTCTCCTGTGCCTGGGAATCCGGCCCCCTACAGTGGCCTACCACCCCTGGTCCC
 TAACAAAATTAACCTCNGCCTTCAATTCTCCCTCTAAGTGGTCACTTTCTTAAAAA
 TATTAACGGCGCCGTAACGGCTGGGTTCGCCATTGGACCCAAAGCGCCAACCTTTTAGAAA
 TAACTACCTTACGGCCCTTGGGGCGTTATTTTCCGAAAACCAATCCCGGGACTTGAC
 ATAGGTTACAAATTTCTTGCTCCACGTGCAAATTCATCAGCCTCTCCCGGGTTAAAAG
 CCCCAGACTCTCCCTGCCCTTATAACCTTCCCTAAGTATATGTCGTCGCACGTCNTCA
 CAACATTTCCACATACACCCGGCCTCAACACCTAATTNCTTTGTCTACTTCTCGACGAA
 AAACACGGGCTCCATCCCCATTTTTCGCCCCGCTGGGTNTATT



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_007161 unedited GCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTAAAGGGGACCATGGTTTTTACTGG CTGGACCACAGGGGGACCCTGTACACCCGCCTGGGTTGAGGAAGGTGTCTGGGGTGCTCA AGTGGGTTTGTCTCAGCAATGCACGCATAGCCAGCTCTGAATCCTACTTGATGACTCT CTTGACTCTGACCCTGAGGTAAGGAACCTCACTGCTGGAACTGAAAGACTCTGCACAGA TGCATACCGGCATTCTGCTCTGAGGAGCCCTGGGACATCATTCCACGATAACATTAGGA TAGGGATCAGGCACTGGACTGAAGGACAGGAACTATAAACTTGATCTATCAAGCGAAAT GATCAGGGGCTGGAGACTTGACTAAAAACCCCTCGTGCCGAATTACGAACGAGGTCTAT CGCCAAATATCCGAACGACCTATACCGAATCACCTTCCAAAATTCTTGACGGTCCACTAA ACAACCACTGCTTATCTACACCTTAAACCGAACCTACTACCAACATATTAATATCCGG AAGTGGGCAATCAATACTCCGAAAACCTCTAGATTATGGTGCCTCCCCAACACCACT CGACCACCTGAGGTGAGATACTCTGCAATCCATCTATACTTCTTCCACTTTATCCACTCA TTGCTGATACGGAAACATCAACACATCTGGTCACAAACACCACATAACCTCACCAGTACC GCCACCAAGCAAACACTCTCTAGCCACACACCGACACAAATGACCAACCGCCATTCTACC AACTATAACTACATCCGGGACTGACTTGATACTAAAACACACAATGAACTGACAATTGAC ACTACGCCACACATACCCACCTATTCACCTTTGCCAACTAACTTGACAGTCATTGGTA TCACCATCTTACCCATAGGGCCCGGACAATCGCACCACCAATACCACCAAC
Restriction Sites:	NotI-NotI
ACCN:	NM_007161
Insert Size:	460 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).
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_007161.2</u> , <u>NP_009092.2</u>
RefSeq Size:	765 bp
RefSeq ORF:	357 bp
Locus ID:	7940
UniProt ID:	<u>O00453</u>
Cytogenetics:	6p21.33
Domains:	LST1
Protein Families:	Transmembrane

Gene Summary:

The protein encoded by this gene is a membrane protein that can inhibit the proliferation of lymphocytes. Expression of this gene is enhanced by lipopolysaccharide, interferon-gamma, and bacteria. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (1) encodes the longest isoform (1). The 5' UTR of this variant is incomplete because the transcripts supporting this CDS exon combination lack a complete 5' UTR, and alternative splicing choices exist further upstream.