

Product datasheet for **SC328136**

LST1 (NM_001166538) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LST1 (NM_001166538) Human Untagged Clone
Tag:	Tag Free
Symbol:	LST1
Synonyms:	B144; D6S49E; LST-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001166538, the custom clone sequence may differ by one or more nucleotides ATGTTATCGCGGAATGATGTAAAGAGGCTGGAGAGGAGCTGGCACCTTCTGTCCTGGTCC CAGGCCAGGGCTCCTCAGAGCAGGAACCTCCACTATGCATCTCTCAGAGGCTGCCAGTG CCCAGCAGTGAGGGACCTGACCTCAGGGCAGAGACAAGAGAGGCACCAAGGAGGATCCA AGAGCTGACTATGCCTGCATTGCTGAGAACAACCCACCTGA
Restriction Sites:	Please inquire
ACCN:	NM_001166538
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).



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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_001166538.1](#), [NP_001160010.1](#)

RefSeq Size: 560 bp

RefSeq ORF: 222 bp

Locus ID: 7940

UniProt ID: [O00453](#)

Cytogenetics: 6p21.33

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 (6) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (6) that is shorter than 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.