

## Product datasheet for **SC329093**

### LAS1L (NM\_001170649) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LAS1L (NM_001170649) Human Untagged Clone
Tag:	Tag Free
Symbol:	LAS1L
Synonyms:	dj475B7.2; Las1; Las1-like; WTS
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001170649, the custom clone sequence may differ by one or more nucleotides

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ATGTCGTGGGAATCCGGGGCCGGGCCAGGTCTAGGTTCCAGGGGATGGATCTCGTGTGG
AGTGCCTGGTACGGAAAGTGCCTAAAGGGAAAGGGTCGTTGCCACTCTCGGCCACGGC
ATCGTGGTCGCCTGGCTCAGCAGGGCCGAGTGGGACCAGGTGACGGTTTATCTGTTCTGT
GACGACCATAAGTTGCAGCGGTACGCGCTTAACCGCATCACGGTGTGGAGGAGCAGGTCA
GGCAACGAACTCCCTCTGGCAGTGGCTTCTACTGCTGACCTGATACGCTGTAAGCTCTTG
GATGTAAGTGGTGGCTTGGGCAGTGAATTAAGTACTGCTCTATGGCATGGCATTGGTC
AGGTTTGTGAATCTTATCTCAGAGAGGAAGACAAAGTTTGCCAAGGTCCCCCTCAAGTGT
CTGGCTCAAGAGGTAAATATTCCGGATTGGATTGTTGACCTTCGCCATGAGTTGACCCAC
AAGAAAATGCCCCATATAAATGACTGCCGCAGAGGCTGCTACTTTGCTCTGGATTGGCTC
CAGAAGACCTATTGGTCCGCCAACTGGAGAACAGCCTGAGAGAGACCTGGGAGTTGGAG
GAGTTCAGGGAAGGGATAGAGGAAGAGGATCAAGAGGAAGATAAGAACATTGTTGTTGAT
GACATCACAGAACAGAAACCAGAGCCTCAGGATGATGGGAAAAGTACGGAGTCAGATGTA
AAGGCCGATGGAGACAGCAAAGGCAGCGAAGAGGTGGATTCTCATTGCAAAAAGGCCCTG
AGTCATAAAGAGCTATATGAAAGAGCCCGAGAAGTCTGCTGATATACGAAGAGGAGCAG
TTTACGGTGTGGAGAAATTTAGGTATTTACCTAAGGCCATTAAGGCGTGAATAACCCG
TCCCCACGTGTAGAATGTGCTCCTGGCAGAGCTCAAGGGCGTTACATGCGAGAACAGGGAG
GCTGTGCTGGATGCTTTTCTGGATGATGGCTTCTTGTCCCCACATTTGAACAGTTGGCA
GCTTTGCAGATAGAATATGAAGAAAACGTGGACTTGAATGACGTCCTGGTGCCAAAGCCG
TTCTCTCAGTTCTGGCAGCCCCGCTCAGGGCCCTGCACTCCAGAACTCACGCAGGCC
CTATTGGAGAGGATGCTCTCTGAACTGCCAGCCTTGGGGATCAGCGGGATCCGGCCTACC
TACATCCTCAGATGGACGTTGAACTGATCGTGGCCAACACCAAGACTGGACGGAATGCT
CGCCGATTTTCTCAGGCCAGTGGGAAGCAAGAAGGGGCTGGAGGCTGTTCAACTGCTCC
GCCTCCCTTACTGGCCCCGGATGGTTGAGTCCTGCTTGGGCTCACCTTGTGGGCCAGC
CCCCAACTCCTTCGGATCATCTTCAAAGCCATGGGGCAGGGCCTGCCAGACGAGGAGCAG
GAGAAGCTGTGCGCATCTGTTCCATTTATACCCAGAGTGAGAAAACAGCCTGGTGCAG
GAGGGCTCTGAGGCTCCCCATGGGAAGTCTCCATATACTAGACAGCCTGTATTGG
AGCGTCAAGCCAGCCAGCTCCAGCTTCGGGTCTGAAGCAAAGGCCAGCAACAGGAGGAG
CAGGGCAGTGTTAATGATGTCAAGGAAGAGGAGAAGGAGGAGAAAAGAGGTCTTGCCAGAC
CAGGTAGAGGAGGAGGAAGAAAATGATGACCAAGAGGAGGAAGAGGAGGATGAAGATGAT
GAAGATGATGAAGAGGAAGACAGAATGGAGGTGGGGCCTTTCTCTACAGGGCAAGAGTCC
CCCCTGCCCAGAAATGCTAGGCTTCTGGCCCAGAAAAGAGGAGCTTTGCAGGGCTCTGCA
TGGCAGGTTAGCTCAGAAGACGTGCGATGGGACACATTTCCCCTAGGCCGAATGCCAGGT
CAGACCGAGGACCCAGCAGAGCTCATGCTGGAGAATTATGACACCATGTATCTTTTGGAC
CAGCCTGTGCTAGAGCAGCGGCTGGAACCCTCAACATGCAAGACTGACACCTTGGGCCTG
AGCTGTGGTGTGCGCAGTGGCAACTGCAGCAACAGCAGCAGCAGCAACTTCGAGGGCCTT
CTCTGGAGCCAGGGGCAGCTGCATGGGCTCAAACTGGCCTGCAGCTCTTCTGA

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- Restriction Sites:** Please inquire
- ACCN:** NM\_001170649
- 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.

<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>RefSeq:</b>	<u>NM_001170649.1, NP_001164120.1</u>
<b>RefSeq Size:</b>	2448 bp
<b>RefSeq ORF:</b>	2154 bp
<b>Locus ID:</b>	81887
<b>UniProt ID:</b>	<u>Q9Y4W2</u>
<b>Cytogenetics:</b>	Xq12
<b>Gene Summary:</b>	<p>Involved in the biogenesis of the 60S ribosomal subunit. Required for maturation of the 28S rRNA. Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex; the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the middle portion of the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>