

## Product datasheet for **SC305488**

### LOXL3 (NM\_032603) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LOXL3 (NM_032603) Human Untagged Clone
Tag:	Tag Free
Symbol:	LOXL3
Synonyms:	LOXL
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_032603 edited  
 ATGCGACCTGTCAGTGTCTGGCAGTGGAGCCCCTGGGGGCTGCTGCTGTGCCTGCTGTGC  
 AGTTCTGTGCTTGGGGTCTCCGTCCCCTCCACGGGCCCTGAGAAGAAGGCCGGGAGCCAG  
 GGGCTTCGGTCCGGCTGGCTGGCTTCCCAGGAAGCCCTACGAGGGCCGCTGGAGATA  
 CAGCGAGCTGGTGAATGGGGCACCATCTGCGATGATGACTTACGCTGCAGGCTGCCAC  
 ATCCTCTGCCGGAGCTGGGCTTACAGAGGCCACAGGCTGGACCCACAGTGCCAATAT  
 GGCCCTGGAACAGGCCCGCATCTGGCTGGACAACCTTGAGCTGCAGTGGGACCGAGCAGAT  
 GTGACTGAATGTGCCTCCCGGGCTGGGGAACAGTGACTGTACGCACGATGAGGATGCT  
 GGGGTCTCTGCAAAGACCAGCGCTCCCTGGCTTCTCGACTCCAATGTCATTGAGGTA  
 GAGCATCACCTGCAAGTGGAGGAGTGCGAATTCGACCCGCCGTTGGTGGGCAGACGA  
 CCCCTGCCGTGACGGAGGGCTGGTGAAGTCAGGCTTCTGACGGCTGGTCGCAAGTG  
 TGCGACAAAGGCTGGAGCGCCACAACAGCCACGTGGTCTGCGGGATGCTGGGCTCCCC  
 AGCGAAAAGAGGGTCAACCGGCCTTCTACAGGCTGCTAGCCCAACGGCAGCAACTCC  
 TTTGGTCTGCATGGGTGGCTGCGTGGGCACGGAGGCCACCTCTCCCTCTGTTCCCTG  
 GAGTTCTATCGTGCCAATGACACCGCCAGGTGCCCTGGGGGGGCCCTGCAGTGGTGAGC  
 TGTGTGCCAGGCCCTGTCTACCGGCATCCAGTGGCCAGAAGAAGCAACAACAGTGAAG  
 CCTCAGGGGGAGGCCCGTGTCCGTCTAAAGGGCGCGCCACCCTGGAGAGGGCCGGTA  
 GAAGTCTGAAGGCCAGCACATGGGGCAGCTCTGTGACCGCAAGTGGGACCTGCATGCA  
 GCCAGCGTGGTGTGTCGGGAGCTGGGCTTCGGGAGTGTCTGAGAAGCTCTGAGTGGCGCT  
 CGCATGGGGCAGGGCATGGGTGCTATCCACCTGAGTGAAGTTCGCTGCTTGGACAGGAG  
 CTCTCCCTCTGGAAGTCCCCACAAGAACATCACAGCTGAGGATTGTTACATAGCCAG  
 GATGCCGGGTCCGGTGAACCTACCTTACACTGGGGCAGAGACCAGGATCCGACTCAGT  
 GGGGGCCGACCAACATGAGGGGCGAGTTCGAGGTGCAAAATAGGGGGACCTGGGCCCTT  
 CGCTGGGGCCTCATCTGTGGGGATGACTGGGGGACCCTGGAGGCCATGGTGGCCTGTAGG  
 CAACTGGGTCTGGGCTACGCCAACCCAGGCCTGCAGGAGACCTGGTACTGGGACTCTGGG  
 AATATAACAGAGGTGGTGTGAGTGGAGTGCCTGCACAGGGACTGAGCTGTCCCTGGAT  
 CAGTGTGCCCATCATGGCACCCACATCACCTGCAAGAGGACAGGGACCCGCTTCACTGCT  
 GGAGTCTCTGTTCTGAGACTGCATCAGATCTGTTGCTGCACTCAGCACTGGTGCAGGAG  
 ACCGCCTACATCGAAGACCGGCCCTGCATATGTTGACTGTGCTGCGGAAGAGAAGTGC  
 CTGGCCAGCTCAGCCGCTCAGCCAACCTGGCCCTATGGTACCCGGCTGCTGCTCCGATTC  
 TCCTCCCAGATCCACAACCTGGGACGAGCTGACTTCAGGCCCAAGGCTGGGCGCCACTCC  
 TGGGTGTGGCACGAGTGCATGGCATTACCACAGCATGGACATCTTCACTCACTATGAT  
 ATCCTCACCCAAATGGCACCAAGGTGGCTGAGGGCCACAAGCTAGTTTCTGTCTCGAA  
 GACTGAGTGTGAGGAGGATGTCTCCAAGCGGTATGAGTGTGCCAACTTTGGAGAGCAA  
 GGCATCACTGTGGGTTGCTGGGATCTCTACCGCATGACATTGACTGTCAGTGGATTGAC  
 ATCAGGATGTGAAGCCAGGAACTACATTCTCCAGGTTGTCATCAACCCAACTTTGAA  
 GTAGCAGAGAGTACTTTACCAACAATGCAATGAAATGTAAGTCAAAATATGATGGACAT  
 AGAATCTGGGTGCACAACCTGCCACATTGGTGTGCTTCACTGAGAGGCCAACAGGAGG  
 TTTGAACGCTACCCTGGCCAGACCAGCAACCAGATTATCTAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_032603  
**Insert Size:** 2300 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).

<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>RefSeq:</b>	<a href="#">NM_032603.2</a> , <a href="#">NP_115992.1</a>
<b>RefSeq Size:</b>	3121 bp
<b>RefSeq ORF:</b>	2262 bp
<b>Locus ID:</b>	84695
<b>UniProt ID:</b>	<a href="#">P58215</a>
<b>Cytogenetics:</b>	2p13.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene encodes a lysyl oxidase, which likely functions as an amine oxidase and plays a role in the formation of crosslinks in collagens and elastin. Deletion of the related gene in mouse causes neonatal mortality with cleft palate, spine deformity, and defects in collagen organization. A mutation in this gene was found in a family with Stickler syndrome. [provided by RefSeq, Sep 2016]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>