

## Product datasheet for MC227552

### Lox (NM\_001286181) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Lox (NM\_001286181) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Lox  
 Synonyms: A1893619; rrg; TSC-16; TSC-160  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC227552 representing NM\_001286181  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGTTTCGCCTGGGCTGTGCTCCTTCTGGGGCCACTGCAGCTTTGTCCCCTTCTCGCTGCGCCCGC  
 AGACCCCGCGCGAGCCGCGCCGCCCTGGTGCCTGGCGCCAGACAATCCAATGGGAGAACAACGGGCA  
 GGTGTTCACTGCTGAGCCTCGGGGCGCAGTACCAGCCTCAGCGACGCCGCGACCCAGTGCCACTGCC  
 CGGAGACCCGACGCGCAGCAGCCTCGCAGCCGCGCAGCCATTCTTCTGCTGCGTGACAACCGCACCG  
 CCTCTACCCGTGCGAGGACGCCAAGCCCGTCTGGGGTCCGCGCGGGTCTGCCCGCCCGCCCGCCGCCA  
 CTGTTTCCAAGCTGGTTTCTCGCCGTCGGGGGCTCGCGATGGAGCCTCACGGCGCGCGGGAACCGGACT  
 GCATCGCCACAGCCTCCGAGCTCAGTAATCTGAGGCCACCCAGCCACATAGATCGCATGGTGGGCGACG  
 ACCCCTACAATCCCTACAAGTACTCCGACGACAACCCCTATTATAACTACTATGACACGTATGAGAGGCC  
 CCGGCCCGGGAGCAGGAACCGACCTGGATACGGCACCGGTTACTCCAGTACGGTCTCCCGGACCTGGTG  
 CCCGACCCCTACTACATCCAGGCTTCCAGTACGTCCAGAAGATGTCTATGTACAACCTGAGATGCGCTG  
 CGGAAGAAAAGTGCCTGGCCAGTTCAGCATATAGGGCGGATGTCAGAGACTATGACCACAGGGTACTGCT  
 ACGATTTCCGCAAAGAGTGAAGAACCAAGGGACATCGGACTTCTTACCAAGCCGCCCTCGTACTCCTGG  
 GAGTGGCACAGCTGTACCAACATTACCACAGCATGGACGAATTCAGCCACTATGACCTGCTTGATGCCA  
 ACACACAGAGGAGAGTGGCTGAAGGCCACAAGCAAGCTTCTGTCTGGAGGACACGTCTGTGACTATGG  
 GTACCACAGGCGCTTTCGCTGCACTGCACACACAGGGATTGAGTCTGGATGTTATGACACCTATGCCG  
 GCAGACATAGACTGCCAGTGGATTGATATTACAGATGTACAACCTGGAACTACATTCTAAAGGTCACTG  
 TAAACCCAGCTACCTGGTGCCTGAATCAGACTACACTACAATGTTGTACGCTGTGACATTCGCTACAC  
 AGGACATCATGCCTATGCCTCAGGCTGCACAATTCACCGTAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001286181
<b>Insert Size:</b>	1236 bp
<b>OTI Disclaimer:</b>	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>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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><a href="#">NM_001286181.1</a></u> , <u><a href="#">NP_001273110.1</a></u>
<b>RefSeq Size:</b>	4537 bp
<b>RefSeq ORF:</b>	1236 bp
<b>Locus ID:</b>	16948
<b>UniProt ID:</b>	<u><a href="#">P28301</a></u>
<b>Cytogenetics:</b>	18 28.22 cM
<b>Gene Summary:</b>	<p>This gene encodes a precursor protein that belongs to the lysyl oxidase family of proteins. The secreted proprotein is proteolytically processed to an active mature peptide and a propeptide. This propeptide is thought to function in tumor suppression by inhibiting the Ras signaling pathway. The active enzyme plays a role in cross-linking of collagen and elastin and is essential for development of cardiovascular and respiratory systems, and development of skin and connective tissue. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2013]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>