

Product datasheet for **MC227553**

Lox (NM_001286182) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lox (NM_001286182) 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: >MC227553 representing NM_001286182
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGTTTCGCCTGGGCTGTGCTCCTTCTGGGGCCACTGCAGCTTTGTCCCCTTCTCGCTGCGCCCGC
 AGACCCCGCGCGAGCCGCCGCCGCCCTGGTGCCTGGCGCCAGACAATCCAATGGGAGAACAACGGGCA
 GGTGTTCACTGCTGAGCCTCGGGGCGCAGTACCAGCCTCAGCGACGCCGCGACCCAGTGCCACTGCC
 CGGAGACCCGACGCGCAGCAGCCTCGCAGCCGCGCAGCCATTCTTCTGCTGCGTGACAACCGCACCG
 CCTCTACCCGTGCGAGGACGCCAAGCCCGTCTGGGGTCCGCGCGGGTCTGCCCGCCCGCCGCCGCCA
 CTGTTTCCAAGCTGGTTTCTCGCCGTCGGGGCTCGCGATGGAGCCTCACGGCGCGCGGGAACCGGACT
 GCATCGCCACAGCCTCCGAGCTCAGTAATCTGAGGCCACCCAGCCACATAGATCGCATGGTGGGCGACG
 ACCCCTACAATCCCTACAAGTACTCCGACGACAACCCCTATTATAACTACTATGACACGTATGAGAGGCC
 CCGGCCCGGGAGCAGGAACCGACCTGGATACGGCACCGGTTACTCCAGTACGGTCTCCCGGACCTGGT
 CCCGACCCCTACTACATCCAGGCTTCCAGTACGTCCAGAAGATGTCTATGTACAACCTGAGATGCGCTG
 CGGAAGAAAAGTGCCTGGCCAGTTCAGCATATAGGGCGGATGTGAGAGACTATGACCACAGGTTACTGCT
 ACGATTTCCGCAAAGAGTGAAGAACCAAGGGACATCGGACTTCTTACCAAGCCGCCCTCGTACTCCTGG
 GAGTGGCACAGCTGTACCAACATTACCACAGCATGGACGAATTCAGCCACTATGACCTGCTTGATGCCA
 ACACACAGAGGAGAGTGGCTGAAGGCCACAAGCAAGCTTCTGTCTGGAGGACACGTCTGTGACTATGG
 GTACCACAGGCGCTTTCGCTGCACTGCACACACAGGGATTGAGTCTGGATGTTATGACACCTATGCCG
 GCAGACATAGACTGCCAGTGGATTGATATTACAGATGTACAACCTGGAACTACATTCTAAAGGTCAGTG
 TAAACCCAGCTACCTGGTGCCTGAATCAGACTACACTACAATGTTGTACGCTGTGACATTCGCTACAC
 AGGACATCATGCCTATGCCTCAGGCTGCACAATTCACCGTAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286182
Insert Size:	1236 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001286182.1</u> , <u>NP_001273111.1</u>
RefSeq Size:	4494 bp
RefSeq ORF:	1236 bp
Locus ID:	16948
UniProt ID:	<u>P28301</u>
Cytogenetics:	18 28.22 cM
Gene Summary:	<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 (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>