

Product datasheet for **MC208031**

Lox (NM_010728) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lox (NM_010728) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lox
Synonyms:	AI893619; rrg; TSC-16; TSC-160
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208031 representing NM_010728 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGTTTCGCTGGGCTGTGCTCCTTCTGGGGCCACTGCAGCTTTGTCCCCTTCTCCGCTGCGCCCCGC
AGACCCCGCGGAGCCGCCGCCCTTGGTGCCTGGCGCCAGACAATCCAATGGGAGAACAACGGGCA
GGTGTTCAGTCTGCTGAGCCTCGGGGCGCAGTACCAGCCTCAGCGACGCCGACCCAGTGCCACTGCC
CGGAGACCCGACGGGACGCAGCCTCGCAGCCGCGCACGCCATTCTTCTGCTGCGTGACAACCGCACCG
CCTCTACCCGTGCGAGGACGCCAAGCCCGTCTGGGGTCCGCGGGTCTGCCCGCCCGCCGCCGCCA
CTGTTTCCAAGCTGGTTTCTCGCCGTCGGGGCTCGCGATGGAGCCTCACGGCGCGGGCAACCGGACT
GCATCGCCACAGCCTCCGAGCTCAGTAATCTGAGGCCACCCAGCCACATAGATCGCATGGTGGGCGACG
ACCCCTACAATCCCTACAAGTACTCCGACGACAACCCCTATTATAACTACTATGACACGTATGAGAGGCC
CCGGCCCCGGGAGCAGGAACCGACCTGGATACGGCACCGGTTACTTCCAGTACGGTCTCCCGGACCTGGT
CCCAGCCCTACTACATCCAGGCTTCCACGTACGTCCAGAAGATGTCTATGTACAACCTGAGATGCGCTG
CGAAGAAAAGTGCCTGGCCAGTTCAGCATATAGGGCGGATGTCAGAGACTATGACCACAGGGTACTGCT
ACGATTTCCGCAAAGAGTGAAGAACCAAGGGACATCGGACTTCTTACCAAGCCGCCCTCGGTACTCCTGG
GAGTGGCACAGCTGTCACCAACATTACCACAGCATGGACGAATTCAGCCACTATGACCTGCTTGATGCCA
ACACACAGAGGAGTGGCTGAAGGCCACAAGCAAGCTTCTGTCTGGAGGACACGTCCTGTGACTATGG
GTACCACAGGCGCTTTGCGTGCCTGCACACACAGGGATTGAGTCTGGATGTTATGACACCTATGCG
GCAGACATAGACTGCCAGTGGATTGATATTACAGATGTACAACCTGGAACTACATTCTAAAGGTGAGTG
TAAACCCAGCTACCTGGTGCCTGAATCAGACTACACTAACAAATGTTGTACGCTGTGACATTCGCTACAC
AGGACATCATGCCTATGCCTCAGGCTGCACAATTCACCGTATTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_010728
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).
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:	BC018439 , AAH18439
RefSeq Size:	3916 bp
RefSeq ORF:	1236 bp
Locus ID:	16948
UniProt ID:	P28301
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 (1) represents the longest transcript. 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>