

Product datasheet for **MC203207**

Loxl1 (NM_010729) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Loxl1 (NM_010729) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Loxl1
Synonyms:	L; Loxl
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC037999
 CCACGCGTCCGCGCCAGCCTAGCGAGCAGCCAGCCAGTGTGGGGCTGGCCATGTAAGGGCCCCAGGAGGT
 CCTGCCCGTCCCCTGCCCTACGGAAAGCCTCGTGCAGCCCTGGGCACCGCCCCTGCCCTGCCCTGACCCC
 TTGGCCTCGAAATGCTGTATCGGAGGAGCCGTCCTCGAGGCCGTGGGAAGAGAAGCACGCACCGAGGCCACTCTC
 TTGGGCAGGCGAAGAGCCATCCTGTCTCGAGGCCGTGGGAAGAGAAGCACGCACCGAGGCCACTCTC
 TGCCACCCCGCCTCTGCAGAAGGGCCACTATGGCTCTGGCCGGAGCCGGCAGCCAGCTGAGGACCCTGG
 TGTGGAGTGCCTGCCTGTGCGTCTGGTGCACGGGCAGCAAGCGCAGCCAGGACAGGGCTCGGACCCAGG
 ACGCTGGCGGCAGCTGATCCAGTGGGAGAACAACGGGCAGGTGTACAGCTTGCTCAACTCGGGCTTGAG
 TACGTGCCCGCGGGGCCCAACGAGGGGAGACTAGCTCCAGGGTTCTACTGGCAGGCGCGCCCAAAACGT
 CGCAGCGGCGCAGTCAGGGGGGACCCCGCGTCCGGCAGGCGCCGTCCCTGCCCTGCCGGACGCGTGGG
 TTCGGACTGTGCGCGGCCAAACGCGGCACCCGTTTCGGCTTCGGCCAGGTGCCCGACAACGGAGAGAG
 GTGGCCGTGGGGACAGTACCGGCATGGCTCGGGCCCGCACCTCCGTCTCCAGCAACGGCACGGGGGT
 CCGCCTCCTCGGTTTCGGCTCGGCCTTCGCCACCACCTATCGCCAGCCATCCTCTACCCGCAGCA
 GTTCCCCTATCCGAGGGGCCCTTCGTAACCAGTATGAGAACTACGATCCCGCGTCACGGACCTACGAA
 CAGGGCTACGTGTACTACCGTGGTGGGGCGGGCGCATGGGCGCGGGGGCAGCGGCTGTAGCCTCGGCTG
 GGGTCATCTATCCCTCCAGCCCGGGCGGTTACGAGGACTACGAGGTTGGAGGAGGCGAGGAGCAGCC
 CGAGTACCCGGCCAGGGCTTTTACCCAGCCCCAGAGAGGCCCTATGTGCCCCAGCCCCAACCCAGCCC
 CAGCCCCAGCCGAGCCTCAGCCCAACCTTCCGACGGCCTTGACCGTCTTACTCGCACAGCCTGTACA
 ATGAAGGCACCCCGGGATTTCGAGCAGGCCTACCCTGATCCAGCACCGACGTGTCGACGGCCCCCGGGG
 GGCCGGTGGCACCTACGGTGGCGCTGGCGATCCTCGCCTCGGCTGGTACCCGCCCTATGCAGCCAATGTG
 CCACCGGAGGCCCTACGTCCCTCCGCGTGGGTGGAGCCACAGCCCCATTCCGCGTGTGGAGCCACCT
 ACTTGGCCGTGCGAAGCTCTGATGCGCCCTCCAGGGTGGGAGCGGAACGGCGCCAGCAGGGCCGCT
 CAGCGTGGGTAGTGTACCGACCCAACCAGAATGGTGGCGCCCTCCCTGACTTAGTCCCGGACCCTAAC
 TACGTGCAGGCATCCACATACGTGCAGAGAGCCCATCTGTACTCCTTGCGATGCGCAGCAGAGGAGAAGT
 GCCTGGCCAGCACAGCCTATGCCCTGAGGCTACCGACTATGACCTCCGAGTGCTATTGCGCTTCCCCCA
 GCGAGTGAAAAACCAAGGCACAGCGGACTTTCTCCCAACCGGCCACGCCACACCTGGGAGTGGCATAGC
 TGTACCAACATTACCACAGCATGGACGAGTTCAGCCACTACGACCTGCTTGATGCATCCACGGCAAGA
 AGGTAGCCGAGGGACACAAGGCCAGCTTCTGCCTGGAGGACAGCACCTGTGACTTCGGCAACCTCAAGCG
 CTATGCCTGCACCTCTCACACGCAGGGCCTGAGTCCAGGCTGCTATGACACATAAATGCGGACATTGAC
 TGCCAGTGGATCGACATAACTGATGTGCAGCCTGGAACTACATCCTCAAGGTGCACGTGAACCCCAAGT
 ACATTGTTCTGGAGTCTGACTTACCAACAACGTGGTGGATGCAACATCCACTACACAGGTCGCTACGT
 TTCTACAACAACTGCAAAATCGTCCAGTCCTGATCTGAGTGGACAGAGCCCCCTTGTCTCCTTGAA
 AAGCAGGACCTGCTTCCAGGCAGCCTCCCCATGAGGCTCAGCCGCTAGCCCAAGGCAAAGGCAGCTGG
 CCGCTGGGGCATCCCTCCCTGCCGGCCTCAGGGAGTGAACATGGACCCAAACCACAGGGATTCTGGATGC
 CAGACCTGTCTGTACCTACTTCTCCTCTACAACACCATGGTGTCTGTTGTTGTTCTAATTTTTATAT
 TTTGGCCATCCCACACAGCAAGATTGCCCGGTGCTGAATAAAACAAGGGTTTTCTAGTCTGAAAAAAA AAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_010729
- Insert Size:** 1824 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:

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: [BC037999](#), [AAH37999](#)

RefSeq Size: 2460 bp

RefSeq ORF: 1824 bp

Locus ID: 16949

UniProt ID: [P97873](#)

Cytogenetics: 9 31.65 cM

Gene Summary: This gene encodes a member of the lysyl oxidase family of copper-dependent enzymes that catalyze the formation of lysine-derived crosslinks in proteins such as collagen and elastin. The encoded preproprotein undergoes proteolytic processing to generate the mature, functional enzyme. Mice lacking the encoded protein fail to deposit normal elastic fibers in the uterine tract post partum and develop pelvic organ prolapse, enlarged airspaces of the lung, loose skin and vascular abnormalities with concomitant tropoelastin accumulation. [provided by RefSeq, Sep 2016]