

Product datasheet for **MC221383**

Loxl4 (NM_053083) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Loxl4 (NM_053083) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Loxl4
Synonyms:	4833426I20Rik; Loxc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221383 representing NM_053083
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGTGGCCCCAACCCACCTTCTCCTGTCTCTGCTACTGCTGCTAAGCCAAGCCCCTTCCAGCA
 GGCCACAGTCATCAGGCACCAAGAAGCTCAGGCTTGTGGGGCCAACGGACAGACCAGAGGAGGGCCGCTT
 GGAGGTGCTGCACCAGGGCCAGTGGGGCACGGTGTGTGATGATGACTTCGCTCTCCAGGAGGCTACTGTG
 GCCTGCCGACAGCTGGGCTTTGAGTCAGCCTTGACCTGGGCACACAGTGCCAAGTATGGTCAAGGAGAGG
 GTCCCATCTGGCTGGACAATGTTCTGTTGTTGGGCACCGAGAAGACCCTAGATCAGTGTGGCTCTAACGG
 CTGGGGTGTGAGTACTGCAGACACTCAGAAGATGTTGGGGTGGTATGTCACCCACGGCGCCAGCACGGA
 TATCACTCTGAGAAGGTCTCCAATGCCCTCGGGCCTCAGGGCCGGCGCTAGAAGAGGTACGGCTGAAAC
 CCATCCTCGCCAGTGCCAAAAGGCACAGCCAGTACTGAGGGGGCTGTGGAAGTACGGTACGACGGCCA
 CTGGAGGCAGGTGTGTGACCAGGGCTGGACCATGAACAACAGCAGGGTGTATGCGGGATGCTGGGCTTT
 CCCAGTCAGACATCTGTCAACAGCCACTACTACAGAAAAGTCTGGAATCTGAAGATGAAGGATCCCAAGT
 CTAGGCTCAACAGCCTGCAAAAAAGAATTCTTCTGGATTACCCGGGTTGACTGTCTGGGGACAGAGCC
 CCACTTGGCCAAGTGCCAGGTACAGGTGGCTCCAGGAAGGGGCAAGCTTCGGCCAGCCTGTCCAGGCGGC
 ATGCACGCTGTGGTCACTGTGTGGCAGGGCCCACTTCGGCCGACAGAAGCCAAAGCCAGCGCAAGG
 AGTCCCATGCAGAGGAGCTGAAAGTGGCCTGCGCTCTGGGGCTCAGGTGGGTGAGGGCCGTGTGGAAGT
 GCTCATGAACGCCAGTGGGGCACAGTCTGTGACCACAGGTGGAACCTCATCTCAGCCAGCGTCGTGTGT
 CGCCAGCTTGGCTTTGGCTCTGCCCGGGAGGCCCTTTTGGGGCCAGTTGGGTCAAGGGCTAGGACCCA
 TCCACCTGAGTGAGGTGCGCTGCCGGGGTATGAGCGGACCCTGGGTGACTGCCTTGCCCTGGAAGGGTC
 CCAGAATGGTTGTCAACATGCAAAACGACGCTGCTGTGAGGTGCAACATCCAGACATGGGCTTCCAGAAC
 AAGGTGCGCTTGCTGGTGGGCGCAACTCCGAAGAGGGAGTGGTGGAGGTGCAGGTGAGGTGAATGGGG
 TCCACGATGGGGACTGTATGCAGTGACCACTGGGGGCTCACCGAAGCCATGGTACCTGTCCGCAACT
 TGGTCTGGGATTTGCCAACTTTGCTCTCAAGGACACCTGGTACTGGCAGGGGACACCAGAGGCCAAAGAA
 GTGGTGTGAGTGGAGTTCGCTGCTCAGGCACAGAAATGGCCCTGCAGCAGTGTGAGAGACATGGGCCCCG
 TGCACTGTTCCACGGCCAGGGCGCTTCTCGGCTGGCCTGCTGTATGAACAGTGTCCAGACCTCGT
 GATGAACGCCAGCTGGTACAAGAGACGGCGTACTTGGAGGATCGTCCACTCAGCATGCTGTACTGTGCT
 CACGAGGAAAAGTGCCTTTCCAAGTCCGCTGATCAGTGGACTGGCCCTACGGGTACCGGCGCTTGTGTC
 GCTTCTCCTCACAGATCTACAACCTTGGCCGGGCGACTTCCGTCCCAAGGCTGGACGCCACAGCTGGAT
 TTGGCACCAGTGCCACAGGCACTACCACAGCATCGAAGTCTTCACTCATTATGACCTGCTCACGCTCAAT
 GGCTCAAAGTGGCCGAGGGACACAAGGCCAGCTTCTGTCTAGAAGATACAAACTGCCCTCAGGAGTGC
 AGCGGGCGCTATGCATGTGCCAACTTTGGGGAACAGGGAGTGGCTGTAGGCTGCTGGGACACCTACCGGCA
 TGACATCGATTGCCAGTGGGTGGATATCACAGATGTGGGTCCAGGGGACTATATCTTCCAGGTGGTTGTG
 AACCCACAAACGATGTTGCAGAGTCCGATTTCTCCAATAACATGATACGGTGCCGCTGCAAGTATGATG
 GACAGCGAGTCTGGTTGCACAACCTGCCACACAGGAGATTCTACCGAGCCAATGCAGAGCTCTCCCTGGA
 GCAGGAACAGCGACTCAGGAACAACCTTGATC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053083
Insert Size: 2274 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:	NM_053083.3 , NP_444313.3
RefSeq Size:	5444 bp
RefSeq ORF:	2274 bp
Locus ID:	67573
UniProt ID:	Q924C6
Cytogenetics:	19 C3
Gene Summary:	<p>May modulate the formation of a collagenous extracellular matrix.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the middle portion of the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1. 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>