

Product datasheet for SC322404

LOXL4 (NM_032211) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOXL4 (NM_032211) Human Untagged Clone
Tag:	Tag Free
Symbol:	LOXL4
Synonyms:	LOXC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322404

```

GGCTGGGGGGCCGCGGGCGGGAGGCGGATAAAAAGGCCCCAGGGCGCCCGGGAGGGAGC
CCGTTAGCGCTGCTCCGCCGCGCGCCGCCAGCCCCGACTGTCCGCGCTCCATCTGG
TATCTTGGCCTCAGCTGTCCTTGAAGTCACCATGGCGAGGTCCCCACCAGCCACCCTCTT
TCTGTTCTGCTGCTGCTAGGCCAGCCCCCTCCAGCAGGCCACAGTCACTGGGACCAC
TAAGTCCGGCTGGTGGGCCAGAGAGCAAGCCAGAGGAGGGCCGCTGGAGGTGCTGCA
CCAGGGCCAGTGGGGACCGTGTGTGATGACAACCTTTGCTATCCAGGAGGCCACAGTGGC
TTGCCGCCAGTGGGCTTCAAGCTGCCTTGACCTGGGCCACAGTGCCAAGTACGGCCA
AGGGGAGGGACCCATCTGGCTGGACAATGTGCAGTGTGTGGGCACAGAGAGCTCCTTGA
CCAGTGGGGTCTAATGGCTGGGAGTCAGTACTGCAGTCACTCAGAAGACGTAGGGGT
GATATGCCACCCCGGCGCCATCGTGGCTACCTTTCTGAACTGTCTCCAATGCCCTTGG
GCCCCAGGGCCGCGGCTGGAGGAGGTGCGGCTCAAGCCATCCTTGCCAGTGCCAAGCA
GCATAGCCAGTGACCGAGGGAGCCGTGGAGGTGAAGTATGAGGGCCACTGGCGGCAGGT
GTGTGACCAGGGCTGGACCATGAACAACAGCAGGTGGTGTGCGGGATGTGGGCTTCCC
CAGCGAGGTGCCTGTGACAGCCACTACTACAGGAAAGTCTGGGATCTGAAGATGAGGGA
CCCTAAGTCTAGGCTGAAGAGCCTGACGAATAAGAACTCCTTCTGGATCCACCAGGTAC
CTGCCTGGGGACAGAGCCCCACATGGCCAAGTCCAGGTGCAGGTGGCTCCAGCCCGGG
CAAGCTGCGGCCAGCCTGCCAGGTGGCATGCATGCTGTGGTCACTGTGTGGCAGGGCC
TCACTTCCGCCACCGAAGACAAAGCCACAACGCAAGGGTCTTGGGCAGAGGAGCCGAG
GGTGGCCTGCGCTCCGGGGCCAGGTGGGCGAGGGCCGGGTGGAAGTGTCTCATGAACCG
CCAGTGGGGCACGGTCTGTGACCACAGGTGGAACCTCATCTCTGCCAGTGTGCTGTGCG
TCAGTGGGCTTTGGCTCTGCTCGGGAGGCCCTTTTGGGGCCCGGCTGGGCCAAGGGCT
AGGGCCCATCCACCTGAGTGAGGTGCGCTGCAGGGGATATGAGCGGACCCTCAGCGACTG
CCCTGCCCTGGAAGGGTCCCAGAATGGTTGCCAACATGAGAATGCTGCTGCTGTCAGGTG
CAATGTCCCTAACATGGGCTTTTCAAGTCAAGTGCCTTGGCTGGTGGGCGTATCCCTGA
GGAGGGGCTATTGGAGGTGCAGGTGGAGGTGAACGGGGTCCCACGCTGGGGGAGCGTGTG
CAGTGAAACTGGGGCTCACCGAAGCCATGGTGGCTGCCGACAGCTCGGCCTGGGTTT
  
```


[View online »](#)

TGCCATCCATGCCTACAAGGAAACCTGGTCTGGTCGGGGACGCCAAGGGCCCAGGAGGT
GGTGATGAGTGGGGTGCCTGCTCAGGCACAGAGCTGGCCCTGCAGCAGTGCCAGAGGCA
CGGGCCGGTGCCTGCTCCACGGTGGCGGGCGCTTCTGGGTGGAGTCTCCTGCATGGA
CAGTGACACAGACCTGGTGATGAACGCCAGCTAGTGACAGGAGACGGCCTACTTGGAGGA
CCGCCCCGCTCAGCCAGCTGTATTGTGCCACGAGGAGAACTGCCTCTCCAAGTCTGCGGA
TCACATGGACTGGCCCTACGGATACCGCCGCTATTGCGCTTCTCCACACAGATCTACAA
TCTGGGCGGACTGACTTTCGTCCAAAGACTGGACGCGATAGCTGGGTTTGGCACCAGTG
CCACAGGCATTACCACAGCATTGAGGTCTTACCCTACGACCTCCTCACTCTCAATGG
CTCCAAGTGAGTGGAGGGGCACAAAGGCCAGCTTGTCTGGAGGACACAACTGCCCCAC
AGGACTGCAGCGGCGCTACGCATGTGCCAATTTGGAGAACAGGGAGTGACTGTAGGCTG
CTGGGACACCTACCGGCATGACATTGATTGCCAGTGGGTGGATATCACAGATGTGGGCC
CGGGAATTATATCTTCCAGGTGATTGTGAACCCCCACTATGAAGTGGCAGAGTCAGATTT
CTCCAACAATATGCTGCAGTGCCGCTGCAAGTATGATGGGCACCGGGTCTGGCTGCACAA
CTGCCACACAGGGAATTCATACCCAGCCAATGCAGAACTCTCCCTGGAGCAGGAACAGCG
TCTCAGGAACAACCTCATCTGAAGCTGCTACTGCACACTCCTAGCTGCTGCCGATACACC
AGATACCTCAGCTTATTGGAGCCATGCCCTTACAGAGTCCCAACTCAGAGGAAAAGGGC
CAGTGCCAAGGGGCACCAAGAACCTGCTCAGGAAGCCTTTTATGGCAAGATCACCAATC
CAGATGGTATTGCTCCCTCAGGATGGCTCTGGGCTGCCCTAAGGGCCTGTGGCCTATG
GAATATGCTCCTCCAGGCTTTGCTCAGCTGAGCTCCTCTTCTGTAAGGAAACCCAGTCATC
CCTGAATCTTGCCACAGAGATCCGGGATTCAGGAGCTCTCAGTTTCTTAGGGATGGACTA
TGGCCAGTCCCCCATCTAAGTGGTGCTTTGCAATGTCTTGGAGGAGTATAGGACAGAG
GACCAAAATACACAGCAGGTAGTGTTAGCTCTCTGCTAGGAGCTCAAAGCAACACAACCTT
GTATCAAAATCACAACCTGGCAGAGAAGCTGGTGGATCCAATCCTTCTTCTCATCTGTGTT
ATTTAGAACTCACCTCTCACACTCTGTTCTTTAGTGTCTTACCTTTATCTTACCACACA
CATGGGTGTTTCTATTATCCTTGAAGCACAGACCTCGGGCATCCCTTATTGCCTGATG
GGCCAACACCAACAGTTACGGAGTGCTTGAGAAGGGGCAAGTTTACAGAAATGGCCAGA
TAGGGCCTTCTACAGAGCAGCAAGAGTAGGCCAAGCAGAAAGACTGCTGAGGTAACACG
GACCCAGCCCTGTGAGGGCTCTGCCAAGGAAATAATATGGACATTTACCTGGCAGG
CAGTCTGCTCTCTCAGGATCACACGCATCTCAGGATTGGTCTAACTTCAAGTCTCA
ACCAAGTGTCTGAAGTGAACCTTGCATTGAATAAATTTTGGCATGGAAGAACATCAAA
CAAGCCACTCATCTCTACAGAGATAAGAAAACAAGTTTGGCAGAGCAAGAGACAGAAGAC
CGTGGAGAAATCAGAAGGGGGAACAGTCAGTTTAGTTAAGGATGGAACCTGGGAAAGGCC
ACCATTCTGCTTGATGGGGCTCTGATTTGCTCTTGTCTCAAGTGAATAAAACCCCATGG
TCTTCTTGACATGATTCTTGATCTTTTCTCCACTGAGACACACTTAAGTGATGATCCTTA
CAGGACTGACACCCTAATGCCAATAAAGTTGCTCATTATGGACTGCTACAAAAA
AAAAA

Restriction Sites:	Please inquire
ACCN:	NM_032211
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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: [NM_032211.6](#), [NP_115587.6](#)

RefSeq Size: 3657 bp

RefSeq ORF: 2271 bp

Locus ID: 84171

UniProt ID: [Q96JB6](#)

Cytogenetics: 10q24.2

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. A highly conserved amino acid sequence at the C-terminus end appears to be sufficient for amine oxidase activity, suggesting that each family member may retain this function. The N-terminus is poorly conserved and may impart additional roles in developmental regulation, senescence, tumor suppression, cell growth control, and chemotaxis to each member of the family. [provided by RefSeq, Jul 2008]