

Specifications:

Gene:	hLOXL4
Accession:	NP_115587.6
Insert size:	2284bp
Concentration:	10µg at 0.2µg/µL

*h*LOXL4 cDNA Plasmid

LOXL4 lysyl oxidase like 4
[*Homo sapiens* (human)]

Also known as: LOXC

Summary:

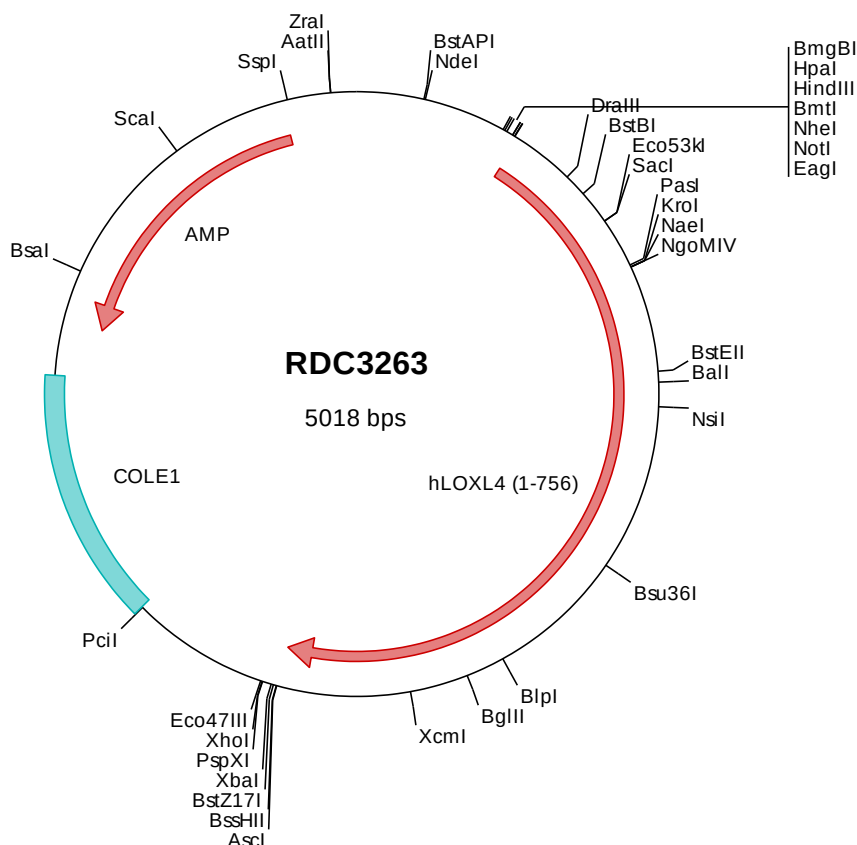
LOXL4 is a member of the lysyl oxidase gene family. It is an extracellular copper-dependent amine oxidase that catalyzes the first step in the formation of crosslinks in collagens and elastin. A highly conserved amino acid sequence at the C-terminus end appears to be sufficient for amine oxidase activity. 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.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3263 Plasmid DNA Sequence

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1   tcgcgcgcttt cgggtgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagctt ggcgaaaggg ggaatgtctg caaggcgatt aagttgggta agcccgagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgtaatt
401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgcccacc atggcggtgt ccccaaccagc caccctcttt ctgttctgct tgctgttagg
501  ccagccccctt cccagcaggg cccagctcaact ggccaccact aagctccggc ttgtggggccc agagagcaag ccagaggagg gccgcctgga ggtgtctgac
601  caggggccagt ggggcaccgt gtgtgatgac aacttttgta tccaggaggc cccagtggtt tgccgccagc tgggcttcga agctgccttg acctggggccc
701  acagtgcctaa gtacggccaa ggggagggag ccatctggct ggacaatgtg cgtgtgtgtg gcacagaggag ctctctggac cagtgcgggt ctaatggctg
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1901 cgcccaaggcg ccaggaggtg ggtgtgcctg ctgaggtgct gacaggcaac cagctgtgctg tgcagcagtg ccagagggac ggccgggtgc actgtcccca
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> RDC3263 Translated Insert Sequence

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201  rvvcgmlgfp sevpvdshyy rkvwldlkmrd pksrlksltn knsfwihqvt clgtepnhman cqvgvaparg klrpacpggm havvscvapp hfrppktkpq
301  rkgswaeepv vrlrsgaqvg egrvevlmnr qwgtvcdhrw nllisavvcr qlgfgsarea lfgarlgggl gpihlsevrc rgyvertlsdc palegsqngc
401  qhendaavrc nvpnmgfgnq vrlaggripe egllvqvvev ngvprwgsvc senwglteam vacrqlglgf aihayketwf wsgtpragev vmsgvrcsgt
501  elalqgcqzh gpvhcshggg rflagvscmd sapdlvmaag lvgetayled rplsqliyah eenclsksd hmdwpygyrr llrfstqiyn lgrtdfrpkt
601  grdswvwhqc hrhyhsievf thydlitlng skvaeghkac fclednrcpt glqrryacan fgeqgvttvc wdytrhdidc qwvdiatdvgp gnyifqviwn
701  phyevaesdf snnmqlcqrck ydghrvwlhn chtgnsypan aelsleqegr lrnnli

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