

Recombinant Human LOXL4

Cat. No. LOXL4-28220TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 500-756 of Human LOXL4 expressed in a baculovirus-infected Sf9 cell expression system; 257 amino acids, MWt 31kDa.
Species	Human
ProteinLength	500-756 a.a.
Description	<p>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.</p>
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

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GENE INFORMATION

Gene Name	LOXL4 lysyl oxidase-like 4 [Homo sapiens]
Official Symbol	LOXL4
Synonyms	LOXL4; lysyl oxidase-like 4; lysyl oxidase homolog 4; FLJ21889; LOXC;
Gene ID	84171
mRNA Refseq	NM_032211
Protein Refseq	NP_115587
MIM	607318
Uniprot ID	Q96JB6
Chromosome Location	10q24
Function	copper ion binding; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-NH2 group of donors, oxygen as acceptor; protein binding;

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