

Recombinant Human LOXL1 cell lysate

Cat. No. LOXL1-1028HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	LOXL1 lysyl oxidase-like 1 [Homo sapiens]
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Official Symbol	LOXL1
Synonyms	LOXL1; lysyl oxidase-like 1; lysyl oxidase homolog 1; LOL; LOXL; lysyl oxidase-like protein 1;
Gene ID	4016
mRNA Refseq	NM_005576
Protein Refseq	NP_005567
MIM	153456
UniProt ID	Q08397
Chromosome Location	15q24-q25
Function	copper ion binding; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-NH2 group of donors, oxygen as acceptor;

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