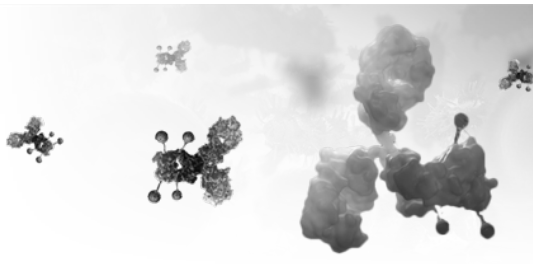

Human LOXL1 peptide (DAG-P1759)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	LOXL1 lysyl oxidase-like 1 [Homo sapiens (human)]
Official Symbol	LOXL1
Synonyms	LOXL1; lysyl oxidase-like 1; LOL; LOXL; lysyl oxidase homolog 1; lysyl oxidase-like protein 1;
Entrez Gene ID	4016
mRNA Refseq	NM_005576.2

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Protein Refseq	NP_005567.2
UniProt ID	Q08397
Chromosome Location	15q22
Pathway	Assembly of collagen fibrils and other multimeric structures, organism-specific biosystem; Collagen formation, organism-specific biosystem; Crosslinking of collagen fibrils, organism-specific biosystem; Elastic fibre formation, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem;
Function	copper ion binding; oxidoreductase activity, acting on the CH-NH2 group of donors, oxygen as acceptor;

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