

Recombinant Human LOXL1 Protein, GST-tagged

Cat. No. LOXL1-4732H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LOXL1 full-length ORF (BAG36895.1, 1 a.a. - 574 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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]
Molecular Mass	89.54 kDa
AA Sequence	MALARGSRQLGALVWGACLCVLVHGQQAQPGQGSDPARWRQLIQWENNGQVYS LLNSGSEYVPAGPQRSESSSRVLLAGAPQAQQRSHGSPRRRQAPSLPLPGRVGS DTVRGQARHPFGFGQVPDNWREVAVG DSTGMARARTSVSQQRHGDSASSVSASA FASTYRQQPSYPQQFPYPQAPFVSQYENYDPASRTYDQGFVYYRPAGGGVGAGA AAVASAGVIYPYQPRARYEEYGGGEELPEYPPQGFYPAPERPYVPPPPPPPDGLDR

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RYSHSLYSEGTGFEQAYPDGPAAQAHGDPRLGWYPPYANPPPEAYGPPRAL
 EPPYLPVRSSDTPPPGGERNGAQQGRLSVGSVYRPNQNGRGLPDLVPDPNYVQA
 STYVQRAHLYSLRCAAEEKCLASTAYAPEATDYDVRVLLRFPQRVKNQGTADFLPN
 RPRHTWEWHSCHQHYHSMDEFSHYDLLDAATGKKVAEGHKASFCLDSTCDFGN
 LKRYACTSHTQGLSPGCYDTYNADIDCQWIDITDVQPGNYILKVHVNPKYIVLESDF
 NNVVRNCNIHYTG RYVSATNCKIVQS

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[LOXL1 lysyl oxidase-like 1 \[Homo sapiens \]](#)

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](#)

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Protein Refseq	NP_005567
MIM	153456
UniProt ID	Q08397

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