

Recombinant Human LOXL2 protein, FLAG-tagged

Cat. No. LOXL2-29651TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LOXL2(500–end) fused with FLAG tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	500-end a.a.
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.
Form	40 mM Tris HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, and 20% glycerol.
Molecular Mass	32 kDa
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

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Storage	>6 months at –80 centigrade. Avoid freeze/thaw cycles.
Concentration	0.07mg/ml
GENE INFORMATION	
Gene Name	LOXL2 lysyl oxidase-like 2 [Homo sapiens]
Official Symbol	LOXL2
Synonyms	LOXL2; lysyl oxidase-like 2; lysyl oxidase homolog 2; WS9 14; lysyl oxidase related 2; lysyl oxidase-like protein 2; lysyl oxidase-related protein 2; lysyl oxidase-related protein WS9-14; LOR2; WS9-14;
Gene ID	4017
mRNA Refseq	NM_002318
Protein Refseq	NP_002309
MIM	606663
UniProt ID	Q9Y4K0
Chromosome Location	8p21.3
Function	copper ion binding; electron carrier activity; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-NH2 group of donors, oxygen as acceptor; scavenger receptor activity;

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