

## Recombinant Human LOXL2 protein, FLAG-tagged

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

### SPECIFICATION

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

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<b>Storage</b>	>6 months at –80 centigrade. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.07mg/ml
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	LOXL2 lysyl oxidase-like 2 [ Homo sapiens ]
<b>Official Symbol</b>	LOXL2
<b>Synonyms</b>	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;
<b>Gene ID</b>	4017
<b>mRNA Refseq</b>	NM_002318
<b>Protein Refseq</b>	NP_002309
<b>MIM</b>	606663
<b>UniProt ID</b>	Q9Y4K0
<b>Chromosome Location</b>	8p21.3
<b>Function</b>	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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