

## Recombinant Human LOXL4 protein, His-tagged

Cat. No. LOXL4-2158H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human LOXL4(570-756) fused with His tag at C-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	570-756 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>	9 mM Na <sub>2</sub> HPO <sub>4</sub> /KH <sub>2</sub> PO <sub>4</sub> pH 7.4, 124 mM KCl, 2.4 mM KCl and 10% glycerol
<b>Molecular Mass</b>	23 kDa
<b>Purity</b>	≥90%

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<b>Applications</b>	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
<b>Stability</b>	>6 months at –80 centigrade. Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).
<b>Concentration</b>	0.33 mg/ml

## GENE INFORMATION

<b>Gene Name</b>	LOXL4 lysyl oxidase-like 4 [ Homo sapiens ]
<b>Official Symbol</b>	LOXL4
<b>Synonyms</b>	LOXL4; lysyl oxidase-like 4; lysyl oxidase homolog 4; FLJ21889; LOXC; lysyl oxidase related C; lysyl oxidase-like protein 4; lysyl oxidase-like 4 pseudogene; lysyl oxidase-related protein C;
<b>Gene ID</b>	84171
<b>mRNA Refseq</b>	NM_032211
<b>Protein Refseq</b>	NP_115587
<b>MIM</b>	607318
<b>UniProt ID</b>	Q96JB6
<b>Chromosome Location</b>	10q24
<b>Function</b>	copper ion binding; metal ion binding; oxidoreductase activity; protein binding; protein-lysine 6-oxidase activity; scavenger receptor activity;

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