

## Recombinant Human LOXL2 Protein, His-tagged

LOXL2-272H Human

Lot. No. (See product label)

### Specification

**Product Overview** Recombinant Human LOXL2(Gln323~Pro427) fused with His tag at N-terminal was expressed in E. coli.

**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.

**Source** E. coli

**Species** Human

**Tag** His

**Form** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Molecular Mass** 12.8kDa

**Protein length** Gln323~Pro427

**Endotoxin** <1.0EU per 1µg (determined by the LAL method)

**Purity** >98%

**Applications** Positive Control; Immunogen; SDS-PAGE; WB.  
If bio-activity of the protein is needed, please check active protein.

**Stability** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution** Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

### Gene Information

**Gene Name** [LOXL2 lysyl oxidase-like 2 \[ Homo sapiens \]](#)

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<b>Official Symbol</b>	<a href="#">LOXL2</a>
<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>	<a href="#">4017</a>
<b>mRNA Refseq</b>	<a href="#">NM_002318</a>
<b>Protein Refseq</b>	<a href="#">NP_002309</a>
<b>MIM</b>	<a href="#">606663</a>
<b>UniProt ID</b>	<a href="#">Q9Y4K0</a>

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