

## Recombinant Human LOXL2 Protein, Fc-tagged

**Cat. No.** LOXL2-797H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human LOXL2 protein with Fc tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	774
<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>	Lyophilized
<b>Molecular Mass</b>	111.6 kDa
<b>AA Sequence</b>	<p>MERPLCSHLCSCLAMLALLSPLSLAQYDSWPHYPEYFQQPAPEYHQPPAPANVAKI            QLRLAGQKRKHSEGRVEVYYDGQWGTVCDDDFSIHAAHVVCRELGYVEAKSWTAS            SSYGKGEPIWLDNLHCTGNEATLAACTSNNGWGVTDCKHTEDVGVVCSKRIPIGF</p>

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 45-1 Ramsey Road, Shirley, NY 11967, USA

KFDNSLINQIENLNIQVEDIRIRAILSTYRK RTPVM EGYVEVKEGKTWKQICDKHW TAK  
 NSRVVCGMFGFP GERTYNTKVYKMFASRRKQRYWPF SMDCTGTEAHISSCKLGPQ  
 VSLDPMKNVTCENGLPAVVSCVPGQVFSPDGP SRFRKAYKPEQPLVRLRGGAYIGE  
 GRVEVLKNGEWGTVCDDKWDLVSASVVCRELGF GSAKEAVTGSRLGQGIGPIHLN  
 EIQCTGNEKSIIDCKFNAESQGCNHEEDAGVRCNTPAMGLQKKLRLNGGRNPYEGR  
 VEVLVERNGSLVWGMVCGQNWGIVEAMVVC RQLGLGFASNAFQETWYWHGDVN  
 SNKVVMSGVKCSGTELSLAHCRHDGEDVACPQGGVQY GAGVACSETAPDLVLNAE  
 MVQQTTYLED RPFMLQCAMEENCL SASAAQTDPTTGYRLLRFSSQIHNNGQSD  
 FRPKNGRHAWIWHDCHRHYHSMEVFTHYDLLNLNGTKVAEGHKASF CLEDTECEG  
 DIQKNYECANFGDQGITMGCWDMYRHDIDCQWVDITD VPPGDYLFQVVINPNFEVA  
 ESDYSNNIMKCRSRYDGHRIWMYNCHIGGSFSEETEKKFEHFSGLLNNQLSPQ

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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**GENE INFORMATION****Gene Name** LOXL2 lysyl oxidase-like 2 [ Homo sapiens (human) ]**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 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA