



# Recombinant Human Lysyl oxidase homolog 2 (LOXL2)

<b>Product Code</b>	CSB-EP897283HU-B
<b>Abbreviation</b>	LOXL2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9Y4K0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	QYDSW PHYPEYFQQP APEYHQ PQAP ANVAKIQLRL AGQKRKHSEG RVEVYYDGQW GTVCDDDFSI HAAHVVCREL GYVEAKSWTA SSSYGKGEGP IWLDNLHCTG NEATLA ACTS NGWGVTDCKH TEDVGVVCS KRIPGFKFDN SLINQIENLN IQVEDIRIRA ILSTYRK RTP VMEGYVEVKE GKTWKQICDK HWTAKNSRVV CGMFGF PGER TYNTKVYKMF ASRRKQRYWP FSMDCTGTEA HISSCKLGPQ VSLDPMKNVT CENGLPAVVS CVPGQVFSPD GPSRFRKAYK PEQPLVRLRG GAYIGEGRVE VLKNGEWGTV CDDKWDLVSA SVVCRELGFG SAKEAVT GSR LGQGIGPIHL NEIQCTGNEK SIIDCKFNAE SQGCNHEEDA GVRCNTPAMG LQKKLRLN GG RNPYEGRVEV LVERNGSLVW GMVCGQNWGI VEAMVVC RQL GLGFASNAFQ ETWYWHGDVN SNKVVMSGVK CSGTELSLAH CRHDGEDVAC PQGGVQYGAG VACSETAPDL VLNAEMVQQT TYLED RPFMF LQCAMEENCL SASAAQTDPT TGYRRLLRFS SQIHNNGQSD FRPKNGRHAW IWHDCHRHYH SMEVFTHYDL LNLNGTKVAE GHKASF CLED TECEGDIQKN YECANFGDQG ITMGCWDMYR HDIDCQWVDI TDVPPGDYLF QVVINPNFEV AESDYSNNIM KCRSRYD GHR IWMYNCHIGG SFSEETEK KF EHFSGLLNNQ LSPQ
<b>Source</b>	E.coli
<b>Target Names</b>	LOXL2
<b>Protein Names</b>	Recommended name: Lysyl oxidase homolog 2 EC= 1.4.3.- Alternative name(s): Lysyl oxidase-like protein 2 Lysyl oxidase-related protein 2 Lysyl oxidase-related protein WS9-14
<b>Expression Region</b>	26-774
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein



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**Target Details**

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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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