

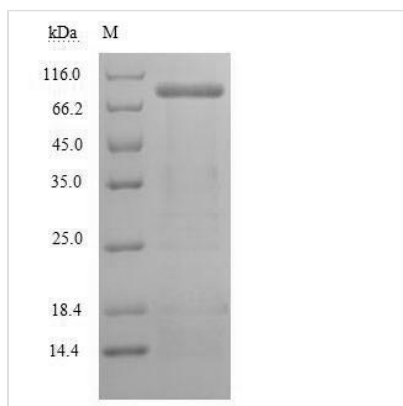


# Recombinant Mouse Lysyl oxidase homolog 2 (Loxl2)

<b>Product Code</b>	CSB-YP013041MO
<b>Relevance</b>	Mediates the post-translational oxidative deamination of lysine residues on target proteins leading to the formation of deaminated lysine (allysine). When secreted in Extracellular domain matrix, promotes cross-linking of Extracellular domain matrix proteins by mediating oxidative deamination of peptidyl lysine residues in precursors to fibrous collagen and elastin. Acts as a regulator of sprouting angiogenesis, probably via collagen IV scaffolding. When nuclear, acts as a transcription corepressor and specifically mediates deamination of trimethylated 'Lys-4' of histone H3 (H3K4me3), a specific tag for epigenetic transcriptional activation. Involved in epithelial to mesenchymal transition (T) via interaction with SNAI1 and participates in repression of E-cadherin, probably by mediating deamination of histone H3 . Acts as a regulator of chondrocyte differentiation, probably by regulating expression of factors that control chondrocyte differentiation.1 Publication
<b>Abbreviation</b>	Recombinant Mouse Loxl2 protein
<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>	P58022
<b>Alias</b>	Lysyl oxidase-like protein 2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	<p>QYEGWPYQLQYPEYFQQPAPEHHQRQVPSDVVKIQVRLAGQKRKHNEGRVE  VYYEGQWGTVCDDDFSIHAAHVVCRQVGYVEAKSWAASSSYGPGEGPIWLD  NIYCTGKESTLASCSSNGWGVTDCKHTEDVGVVCSEKRIPGFKFDNSLINQIES  LNIQVEDIRIRPILSAFRHRKPVTEGYVEVKEGKAWKQICNKHWTAKNSHVVCG  MFGFPAEKTYNPKAYKTFASRRKLRVYWKFSMNCTGTEAHISSCKLGPSVTRD  PVKNATCENGQPAVVSCVPSQIFSPDGPSPFRKAYKPEQPLVRLRGGQVGE  GRVEVLKNGEWGTICDDKWDLVASVVCRELGFGTAKEAITGSRLGGIGPIH  LNEVQCTGTEKSIIDCKFNTESSQGCNHEEDAGVRCNIPIMGFQKKVRLNGGRN  PYEGRVEVLTERNGLVWGTVCQQNWGIVEAMVVCRLGLGFASNAFQETW  YWHGNIFANNVMSGVKCSGTELSLAHCRHDEEVACPEGGVRFGAGVACSE  TAPDLVLNAEIVQQTAYLEDRPMSLLQCAMEENCLSASAVHTDPTRGHRLLR  FSSQIHNNQSDFRPKNGRHAWIWHDCRHRHYSMEVFTYYDLLSLNGTKVAE  GHKASFCLEDTECEGDIQKSYECANFGEQGITMGCWDMYRHDIDCQWIDITD  VPPGDYLFQVVINPNYEVPESDFSNNIMKCRSRYDGYRIWMYNCHVGGAFSE  ETEQQFEHFSGLLNQLSVQ</p>



<b>Research Area</b>	Others
<b>Source</b>	Yeast
<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
<b>Expression Region</b>	26-776aa
<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>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	86.4kDa
<b>Protein Length</b>	Full Length of Mature Protein

**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**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.

**Shelf Life**

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.