

## Biotinylated Recombinant Human Lysyl Oxidase Homolog 2/LOXL2 (N-His)

Catalog No: BP077

<b>Description</b>	Biotinylated Recombinant Human Lysyl Oxidase Homolog 2 is produced by Human 293 Cells. The target gene encoding Q26-Q774 is expressed with an 8His tag at the N terminus.
<b>Expression System</b>	Human
<b>Alternative name</b>	LOL2; LOR2; LOXL2; Lysyl Oxidase Homolog 2; lysyl oxidase related 2; lysyl oxidase-like 2; Lysyl oxidase-like protein 2; Lysyl oxidase-related protein 2; Lysyl oxidase-related protein WS9-14
<b>Accession No.</b>	Q9Y4K0
<b>Predicted Molecular Weight</b>	87.4kDa
<b>Apparent Molecular Weight</b>	LOXL2 appeared at 90kDa in a reducing SDS-PAGE gel
<b>Quality Control</b>	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
<b>Formulation</b>	PBS, pH 7.2
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
<b>Background</b>	Lysyl oxidase homolog 2 (LOXL2) is a secreted protein that belongs to the lysyl oxidase family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyzes the first step in the formation of crosslinks in collagens and elastin. LOXL2 is expressed in many tissues, with the highest expression in reproductive tissues, placenta, uterus and prostate, and is up-regulated in a number of cancers cells and tissues. LOXL2 changes the structure of histones and thus changes the shape of the cells, making it easier for the cancer cells to metastasize. LOXL2 expression could also be used as a molecular target in the prevention of breast cancer progression.

### SDS-PAGE

