

## General Information

### Gene Name Synonym

Lysyl oxidase-like protein 2; Lysyl oxidase-related protein 2; Lysyl oxidase-related protein WS9-14

### Protein Construction

A DNA sequence encoding the human LOXL2 (Q9Y4K0) (Met 1-Gln 774) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to produce hydrogen peroxide during the oxidation of benzylamine. The specific activity is  $> 2$  pmoles/min/ $\mu\text{g}$ .

### Purity

$> 60\%$  as determined by SDS-PAGE

### Endotoxin

$< 1.0$  EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^\circ\text{C}$

### Predicted N terminal

Gln 26

### Molecular Mass

The recombinant human LOXL2 consists of 760 amino acids and has a predicted molecular mass of 85.5 kDa. The apparent molecular mass of rh LOXL2 is approximately 100 & 60 kDa in SDS-PAGE under reducing conditions, corresponding to the unprocessed and processed form respectively.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

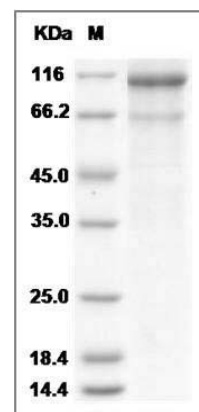
### Storage

Store it under sterile conditions at  $-20^\circ\text{C}$  to  $-80^\circ\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human LOXL2 / Lysyl oxidase homolog 2 Protein (His Tag) SDS-PAGE