

## Datasheet for ABIN6700247 **LOXL1 Protein (GST tag)**



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### Overview

Quantity:	20 µg
Target:	LOXL1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LOXL1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	LOXL1 recombinant protein-GST fusion protein
Purification:	Recombinant human LOXL1 (292-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >75% by densitometry.
Purity:	>75%

### Target Details

Target:	LOXL1
Alternative Name:	LOXL1 ( <a href="#">LOXL1 Products</a> )
Background:	Synonyms: LOL, LOXL, Lysyl oxidase homolog 1, EC 1.4.3.-, Lysyl oxidase-like protein 1, LOL Background: LOXL1 is a member of the lysyl oxidase gene family which is essential to the biogenesis of connective tissue. LOXL1 encodes an extracellular copper-dependent amine

## Target Details

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oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. LOXL1 is responsible for catalyzing the oxidative deamination of lysine residues of tropoelastin and this deamination causes spontaneous cross-linking and formation of elastin polymer fibers (1). LOXL1 serves both as a crosslinking enzyme and an element of the scaffold to ensure spatially defined deposition of elastin (2). LOXL1 Protein is ideal for investigators involved in Signaling Proteins, Lysyl Oxidase Proteins, Cancer, and Metabolic Disorder research.

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: LOXL1 Protein is suitable for use in Western Blot. Expect a band approximately ~61 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.05 µg/µL

Buffer: LOXL1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months