

Datasheet for ABIN6700249  
**LOXL2 Protein (GST tag)**



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## Overview

Quantity:	20 µg
Target:	LOXL2
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LOXL2 protein is labelled with GST tag.
Application:	Western Blotting (WB)

## Product Details

Purpose:	LOXL2 recombinant protein-GST fusion protein
Purification:	Recombinant human LOXL2 (519-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:	LOXL2
Alternative Name:	LOXL2 ( <a href="#">LOXL2 Products</a> )
Background:	Synonyms: LOR2, WS9-14, Lysyl oxidase homolog 2, EC 1.4.3.13, Lysyl oxidase-like protein 2, Lysyl oxidase-related protein 2, Lysyl oxidase-related protein WS9-14 Background: LOXL2 is a member of the lysyl oxidase gene family which is essential for the

## Target Details

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biogenesis of connective tissue. LOXL2 encodes an extracellular copper-dependent amine oxidase that catalyzes the first step in the formation of crosslinks in collagens and elastin. LOXL2 may play an important role in developmental regulation, senescence, tumor suppression, cell growth control, and chemotaxis to each member of the family (1). LOXL2 may mediate fibroblast activation through enzymatic crosslinking of fibrillar collagen and local matrix tension, resulting in activation of TGF $\beta$ 1 signaling (2). LOXL2 Protein is ideal for investigators involved in Signaling Proteins, Lysyl Oxidase Proteins, Cancer, and Metabolic Disorder research.

Pathways: [Chromatin Binding](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: LOXL2 Protein is suitable for use in Western Blot. Expect a band approximately ~65 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: 0.1  $\mu$ g/ $\mu$ L

Buffer: LOXL2 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  $^{\circ}$ C

Storage Comment: Store product at -70 $^{\circ}$ 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