

Datasheet for ABIN7013009

LOXL2 Protein (AA 26-774) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	LOXL2
Protein Characteristics:	AA 26-774
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LOXL2 protein is labelled with His tag.

Product Details

Purpose:	Human LOXL2 Protein, His Tag (active enzyme)
Purity:	>95 % as determined by reduced SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	LOXL2
Alternative Name:	LOXL2 (LOXL2 Products)
Background:	Lysyl oxidase homolog 2 is also known as LOXL2, Lysyl oxidase-like protein 2, which is expressed in many tissues, highest expression in reproductive tissues, placenta, uterus and prostate, Up-regulated in a number of cancers cells and tissues. LOXL2 mediates the post-translational oxidative deamination of lysine residues on target proteins leading to the formation of deaminated lysine (allysine). When secreted in extracellular matrix, promotes

Target Details

cross-linking of extracellular matrix proteins by mediating oxidative deamination of peptidyl lysine residues in precursors to fibrous collagen and elastin. LOXL2 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. LOXL2 acts as a regulator of chondrocyte differentiation, probably by regulating expression of factors that control chondrocyte differentiation.

Molecular Weight: 86.0 kDa

NCBI Accession: [NP_002309](#)

Pathways: [Chromatin Binding](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 20 mM MES, 50 mM NaCl, pH 6.5

Storage: -80 °C