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Datasheet for ABIN5709873

## LOXL2 Protein (AA 26-776) (His tag)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	LOXL2
Protein Characteristics:	AA 26-776
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LOXL2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

#### Product Details

Sequence: QYEGWPYQLQ YPEYFQQPAP EHHQRQVPSD VVKIQVRLAG QKRKHNEGRV EVYYEGQWGT  
VCDDDFSIHA AHVVCRRQVGY VEAKSWAASS SYGPGEGPIW LDNIYCTGKE STLASCSSNG  
WGVTDCKHTE DVGVCSEKR IPGFKFDNSL INQIESLNIQ VEDIRIRPIL SAFRHRKPVT  
EGYVEVKEGK AWKQICNKHV TAKNSHVCG MFGFPAEKTY NPKAYKTFAS RRKLRYWKFS  
MNCTGTEAHI SSCKLGPSVT RDPVKATCE NGQPAVWSCV PSQIFSPDGP SRFRKAYKPE  
QPLVRLRGA QVGEGRVEVL KNGEWGTICD DKWDLVSASV VCRELGFSTA KEAITGSRLG  
QGIGPIHLNE VQCTGTEKSI IDCKFNTESS GCNHEEDAGV RCNIPIMGFQ KKVRLNGGRN  
PYEGRVEVLT ERNGSLVWGT VCGQNWGIVE AMVVCRLGL GFASNAFQET WYWHGNIFAN  
NVVMGKVCSS GTELSLAHCN HDEEVACPEG GVRFGAGVAC SETAPDLVLN AEIVQQTAYL  
EDRPMSLLQC AMEENCLSS AVHTDPTRGH RLLRFSSQI HNNGQSDFRP KNGRHAWIWH  
DCHRHYHSME VFTYYDLLSL NGTKVAEGHK ASFCLEDTEC EGDQKSYEC ANFGEQGITM  
GCWDMYRHHI DCQWIDITDV PPGDYLFQVV INPNYEVPEP DFSNNIMKCR SRYDGYRIWM

## Product Details

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YNCHVGGAFS EETEQKFEHF SGLLNQLSV Q

Purification: SDS-PAGE

Purity: > 90 %

## Target Details

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Target: LOXL2

Alternative Name: LOXL2 ([LOXL2 Products](#))

Background: 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 cross-linking of extracellular matrix proteins by mediating oxidative deamination of peptidyl lysine residues in precursors to fibrous collagen and elastin. 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. Involved in epithelial to mesenchymal transition (T) via interaction with SNAI1 and participates in repression of E-cadherin, probably by mediating deamination of histone H3 . Acts as a regulator of chondrocyte differentiation, probably by regulating expression of factors that control chondrocyte differentiation.<sup>1</sup> Publication

Molecular Weight: 88.48 kDa

UniProt: [P58022](#)

Pathways: [Chromatin Binding](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

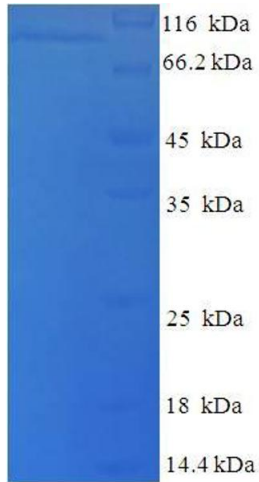
## Handling

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Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Images

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### SDS-PAGE

Image 1.