LOXL2 (human), (recombinant) (His-tag)

LOXL2, also known as Lysyl oxidase homolog 2, is a secreted protein that belongs to the lysyl oxidase family. LOXL2 contains four SRCR domains. The lysyl oxidase family is made up of five members that share conserved C-terminal catalytic domains that provide for lysyl oxidase or lysyl oxidase-like enzyme activity; and more divergent propeptide regions. LOXL2 is expressed by pre-hypertrophic and hypertrophic chondrocytes in vivo, and that LOXL2 expression is regulated in vitro as a function of chondrocyte differentiation. LOXL2 expression could be explored as a molecular target in the prevention of breast cancer progression.

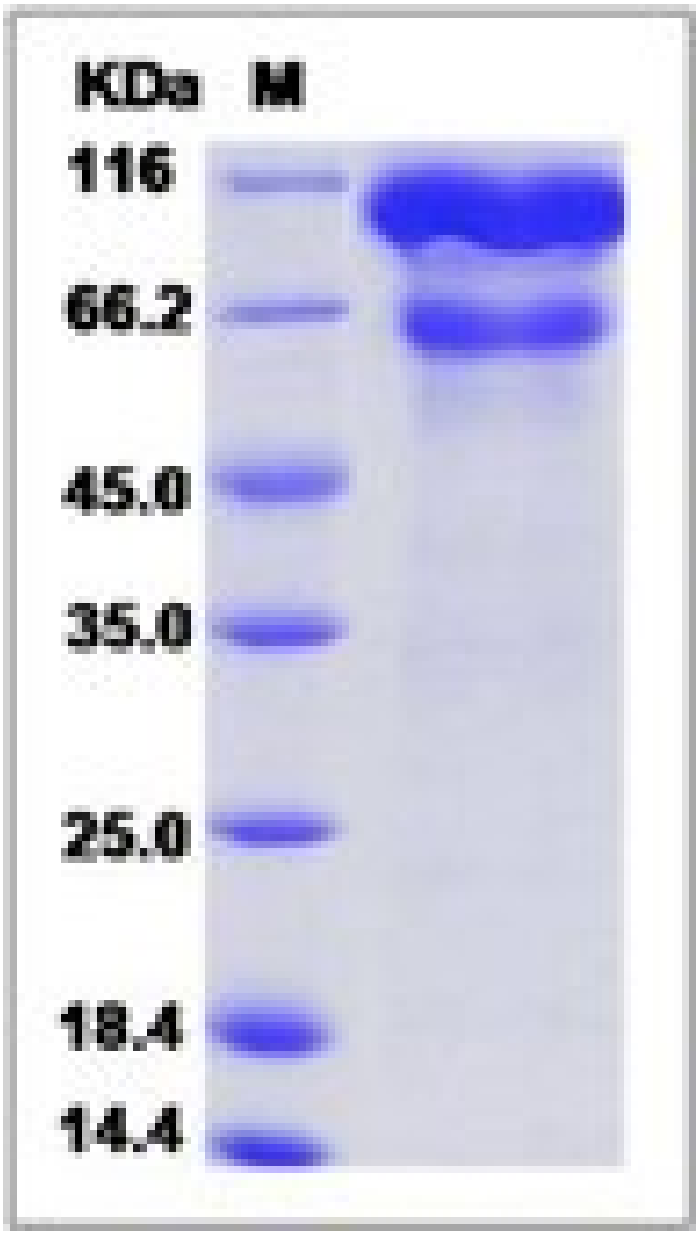
Ordering Information

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ENZ-PRT324-0050	50µg

Manuals, SDS & CofA

View Online »



As a result of glycosylation, the recombinant protein migrates as an approximately 168.3 kDa protein in SDS-PAGE under reducing conditions.

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Lysyl oxidase homolog 2, Lysyl oxidase-like protein 2
Endotoxin Content	<1 EU/µg (LAL method)
Formulation	Lyophilized from sterile 20 mM MES, 50 mM NaCl
MW	~85.5 kDa
Purity	≥95% (SDS-PAGE)
Reconstitution	Reconstitute with sterile deionized water. Reconstitution instructions are lot specific.
Source	Produced in CHO Stable cells. A DNA sequence encoding the human LOXL2 (Met1-Gln774) was expressed, fused with a polyhistidine tag at the C-terminus.
UniProt ID	Q9Y4K0

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