Recombinant Human LOXL2 Protein, N-8His tagged, Biotinylated

Cat. No. LOXL2-37H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human Lysyl Oxidase Homolog 2 is produced by Human 293 Cells. The target gene encoding Q26-Q774 is expressed with a 8His tag at the N terminus.
Species	Human
Source	HEK293
ProteinLength	Q26-Q774
Description	Lysyl oxidase homolog 2 (LOXL2) is a secreted protein that belongs to the lysyl oxidase family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyzes the first step in the formation of crosslinks in collagens and elastin. LOXL2 is expressed in many tissues, with the highest expression in reproductive tissues, placenta, uterus and prostate, and is up-regulated in a number of cancers cells and tissues. LOXL2 changes the structure of histones and thus changes the shape of the cells, making it easier for the cancer cells to metastasize. LOXL2 expression could also be used as a molecular target in the prevention of breast cancer progression.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.2
Shipping	Ambient

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Conjugation	Biotin

GENE INFORMATION

Gene Name	LOXL2 lysyl oxidase-like 2 [Homo sapiens (human)]
Official Symbol	LOXL2
Synonyms	LOL2; LOR2; LOXL2; Lysyl Oxidase Homolog 2; lysyl oxidase related 2; lysyl oxidase-like 2; Lysyl oxidase-like protein 2; Lysyl oxidase-related protein 2; Lysyl oxidase-related protein WS9-14
Gene ID	4017
mRNA Refseq	NM_002318
Protein Refseq	NP_002309
MIM	606663
UniProt ID	Q9Y4K0

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