

## Product datasheet for **TP724647**

### LOXL2 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Recombinant Human Lysyl Oxidase Homolog 2/LOXL2 (N-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Q26-Q774
Tag:	N-8His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.2
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	4017
UniProt ID:	<a href="#">Q9Y4K0</a>
Summary:	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.



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