

Human LOXL2 ELISA Kit | LOXL2 elisa kit

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CATALOG #
AAA263062

REACTIVITY
Human

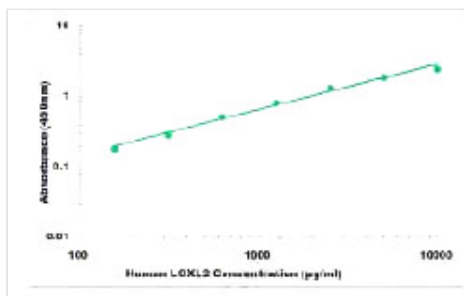
PRODUCT SYNONYMS

LOXL2; Human LOXL2 ELISA Kit; Lysyl oxidase homolog 2; Lysyl oxidase-like protein 2; Lysyl oxidase-related protein 2; Lysyl oxidase-related protein WS9-14; LOXL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human LOXL2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human LOXL2 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	774
Samples	Cell Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LOXL2 elisa kit	Principle of the Assay: The Human LOXL2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human LOXL2 in Cell Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates. This assay employs an antibody specific for Human LOXL2 coated on a 96-well plate. Standards and samples are pipetted into the wells and LOXL2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human LOXL2 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of LOXL2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: Lysyl oxidase homolog 2 is an enzyme that in humans is encoded by the LOXL2 gene. This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. A highly conserved amino acid sequence at the C-terminus end appears to be sufficient for amine oxidase activity, suggesting that each family member may retain this function. The N-terminus is poorly conserved and may impart additional roles in developmental regulation, senescence, tumor suppression, cell growth control, and chemotaxis to each member of the family. LOXL2 can also crosslink collagen type IV and hence influence the sprouting of new blood vessels.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505011
NCBI GeneID	4017
NCBI Accession #	NP_002309.1
NCBI GenBank Nucleotide #	NM_002318.2
UniProt Accession #	Q9Y4K0; Q53HV3; Q9BW70; Q9Y5Y8; B2R5Q0
Molecular Weight	86,725 Da
NCBI Official Full Name	lysyl oxidase homolog 2
NCBI Official Synonym Full Names	lysyl oxidase like 2
NCBI Official Symbol	LOXL2
NCBI Official Synonym Symbols	LOR2; WS9-14
NCBI Protein Information	lysyl oxidase homolog 2
UniProt Protein Name	Lysyl oxidase homolog 2
UniProt Gene Name	LOXL2
UniProt Entry Name	LOXL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.