

Recombinant Human LOX protein, GST-tagged

Cat. No. LOX-189H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LOX(169-end) fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	169-417 aa
Description	LOX or lysyl oxidase is an extracellular copper enzyme that initiates the cross-linking of collagens and elastin. LOX catalyzes oxidative deamination of the epsilon-amino group in certain lysine and hydroxylysine residues of collagens and lysine residues of elastin. LOX plays an important role in tumor suppression. LOX may be required to create a niche permissive for metastatic growth and it is essential for hypoxia-induced metastasis.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	57 kDa
Purity	> 70 %
Stability	1 year at - 70 centigrade from date of shipment

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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.05µg/µl
GENE INFORMATION	
Gene Name	LOX lysyl oxidase [Homo sapiens]
Official Symbol	LOX
Synonyms	LOX; lysyl oxidase; protein-lysine 6-oxidase; MGC105112;
Gene ID	4015
mRNA Refseq	NM_001178102
Protein Refseq	NP_001171573
MIM	153455
UniProt ID	P28300
Chromosome Location	5q23.3-q31.2
Function	copper ion binding; metal ion binding; oxidoreductase activity; protein-lysine 6-oxidase activity;