Recombinant Human LOX, GST-tagged

Cat. No. LOX-90H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LOX containinggst tag with the vector PGEX-4T was expressed in E.coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is anextracellular copper enzyme that initiates the crosslinking of collagens andelastin. The enzyme catalyzes oxidative deamination of the epsilon-aminogroup in certain lysine and hydroxylysine residues of collagens and lysineresidues of elastin. In addition to crosslinking extracellular matrixproteins, the encoded protein may have a role in tumor suppression. Defectsin this gene are a cause of autosomal recessive cutis laxa type I (CL typeI). Two transcript variants encoding different isoforms have been found forthis gene.
Antigen peptide region	1-417aa
Storage Buffer	1M PBS (58 mM Na2HPO4,17 mM NaH2PO4,68 mM NaCl, pH8.) added with 100 mM GSH and 1% Triton X-100,15%glycerol.
OfficialSymbol	LOX

GENE INFORMATION

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Gene Name	LOX lysyl oxidase [Homo sapiens]
Synonyms	LOX;lysyl oxidase; MGC105112;protein-lysine6-oxidase; EC 1.4.3.13; OTTHUMP00000159161
Gene ID	4015
mRNA Refseq	NM_001178102
Protein Refseq	NP_001171573
MIM	153455
UniProt ID	P28300
Chromosome Location	5q23.2
Function	copperion binding; metal ion binding; oxidoreductase activity

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