

## Recombinant Human LOX, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human LOX containinggst tag with the vector PGEX-4T was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Antigen peptide region</b>	1-417aa
<b>Storage Buffer</b>	1M PBS (58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH8.) added with 100 mM GSH and 1% Triton X-100, 15% glycerol.
<b>OfficialSymbol</b>	LOX

### GENE INFORMATION


 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127


 45-1 Ramsey Road, Shirley, NY 11967, USA



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

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