Recombinant Human LOX Protein, GST-tagged

Cat. No. LOX-4734H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LOX full-length ORF (BAG35200.1, 1 a.a. - 417 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	1-417 aa
Description	The protein encoded by this gene is an extracellular copper enzyme that initiates the crosslinking of collagens and elastin. The enzyme catalyzes oxidative deamination of the epsilon-amino group in certain lysine and hydroxylysine residues of collagens and lysine residues of elastin. In addition to crosslinking extracellular matrix proteins, the encoded protein may have a role in tumor suppression. [provided by RefSeq
Molecular Mass	73.3 kDa
AA Sequence	MRFAWTVLLLGPLQLCALVHCAPPAAGQQQPPREPPAAPGAWRQQIQWENNGQV FSLLSLGSQYQPQRRRDPGAAVPGAANASAQQPRTPILLIRDNRTAAARTRTAGSS GVTAGRPRPTARHWFQAGYSTSRAREAGASRAENQTAPGEVPALSNLQPPSRVD GMVGDDPYNPYKYSDDNPYYNYYDTYERPRPGGRYRPGYGTGYFQYGLPDLVAD PYYIQASTYVQKMSMYNLRCAAEENCLASTAYRADVRDYDHRVLLRFPQRVKNQGT SDFLPSRPRYSWEWHSCHQHYHSMDEFSHYDLLDANTQRRVAEGHKASFCLEDTS CDYGYHRRFACTAHTQGLSPGCYDTYGADIDCQWIDITDVKPGNYILKVSVNPSYLV PESDYTNNVVRCDIRYTGHHAYASGCTISPY

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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