

Full-Length

LOX (Human) Recombinant Protein (P01)

Catalog # H00004015-P01

Size 50 ug

Specification

Product Description	Human LOX full-length ORF (BAG35200.1, 1 a.a. - 417 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MRFAWTVLLLGPLQLCALVHCAPPAAGQQQPPREPPAAPGAWRQQIQWENNGQVFSLLSLGS QYQPQRRRDPGAAVPGAANASAAQQRTPILLIRDNRRTAAARTRTAGSSGVTAGRPRPTARHWFQ AGYSTSRAREAGASRAENQTAPGEVPALSNLQPPSRVDGMVGDDPYNPYKYSDDNPPYNNYDTY ERPRPGGRYPGYGTGYFYGLPDLVADPYIQASTYVQKMSMYNLRCAAEEENCLASTAYRADVR DYDHRVLLRFPQRVKNQGTSDFLPSRPRYSWEWHSCHQHYHSMDEFSHYDLLDANTQRRVAEG HKASFCL EDTSCDYGYHRRFACTAHTQGLSPGCDYTYGADIDCQWIDITDVKPGNYILKVS VNPSY LVPESDYTN NVVRCDIRYTGHHAYASGCTISPY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	73.3
Interspecies Antigen Sequence	Mouse (86); Rat (85)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

- Antibody Production
- Protein Array

Gene Info — LOX

Entrez GeneID [4015](#)

GeneBank Accession# [AK312269.1](#)

Protein Accession# [BAG35200.1](#)

Gene Name LOX

Gene Alias MGC105112

Gene Description lysyl oxidase

Omim ID [153455 219100](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations protein-lysine 6-oxidase

Disease

- [Adenocarcinoma](#)
- [Amyotrophic lateral sclerosis](#)
- [Asthma](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Intracranial Aneurysm](#)
- [Lung Neoplasms](#)

- [Mouth Neoplasms](#)
- [Oral Submucous Fibrosis](#)
- [Precancerous Conditions](#)
- [Tobacco Use Disorder](#)