

LOX recombinant protein

LOX, 169-417aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48892	HOST E Coli	APPLICATIONS SDS-Page
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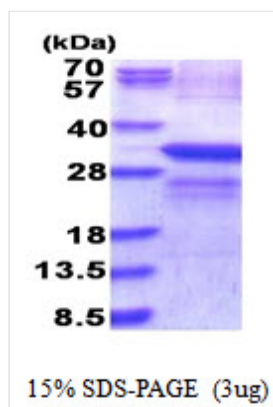
PRODUCT SYNONYMS

LOX; 169-417aa; Human; His tag; E Coli (Denatured); Protein-lysine 6-oxidase; Lysyl oxidase; LOX recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSDDPYNPY KYSDDNPPYN YYDTYERPRP GGRYRPGYGT GYFQYGLPDL VADPYIYQAS TYVQKMSMYN LRCAAEEENCL ASTAYRADVR DYDHRVLLRF PQRVKNQGTG DFLPSRPRYS WEWHSCHQHY HSMDEFSHYD LLDANTQRRV AEGHKASFCL EDTSCDYGYH RRFACHTAQ GLSPGCYDTH GADIDCQWID ITDVKPGNYI LKVSVNPSYL VPESDYTNNV VRCDIRYTGK HAYASGCTIS PY
Sequence Length	417
Applicable Applications for LOX recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LOX recombinant protein	LOX 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. Defects in this gene are a cause of autosomal recessive cutis laxa type I (CL type I). Two transcript variants encoding different isoforms have been found for this gene. Recombinant human LOX protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for LOX recombinant protein	Cytoskeleton
References	Kim Y., et al. (1995) J. Biol. Chem. 270:7176-7182.; Contente S., et al. (1999) Mol. Cell. Biochem. 194:79-91.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149540
NCBI GeneID	4015
NCBI Accession #	NP_002308
NCBI GenBank Nucleotide #	NM_002317.6
UniProt Accession #	P28300; Q5FWF0; B2R5Q3
Molecular Weight	31.4 kDa (272aa)
NCBI Official Full Name	protein-lysine 6-oxidase isoform 1 preproprotein
NCBI Official Synonym Full Names	lysyl oxidase
NCBI Official Symbol	LOX
NCBI Official Synonym Symbols	AAT10
NCBI Protein Information	protein-lysine 6-oxidase
UniProt Protein Name	Protein-lysine 6-oxidase
UniProt Gene Name	LOX

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/lox-recombinant-protein-e-coli-sds-page/48892>