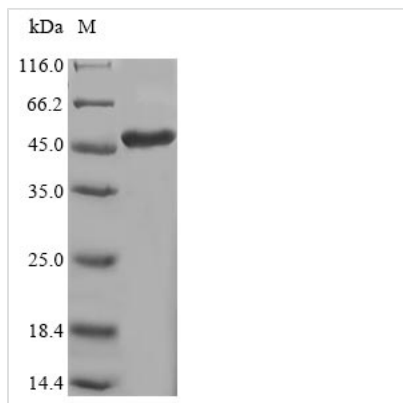




# Recombinant Human Protein-lysine 6-oxidase (LOX)

<b>Product Code</b>	CSB-EP013038HU
<b>Relevance</b>	Responsible for the post-translational oxidative deamination of peptidyl lysine residues in precursors to fibrous collagen and elastin. Regulator of Ras expression. May play a role in tumor suppression. Plays a role in the aortic wall architecture
<b>Abbreviation</b>	Recombinant Human LOX protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P28300
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 85% as determined by SDS-PAGE.
<b>Sequence</b>	DDPYNPYKYSDDNPYNYDYTYERPRPGGRYRPGYGTGYFQYGLPDLVADP YYIQASTYVQKMSMYNLRCAAEEENCLASTAYRADVRDYDHRVLLRFPQRVKN QGTSDFLPSRPRYSWEWHSCHQHYSMDEFSHYDLLDANTQRRVAEGHKA SFCLEDTSCDYGYHRRFACTAHTQGLSPGCYDTYGADIDCQWIDITDVKPGNY ILKVSVNPSYLVPESDYTNNVVRCDIRYTGHHAYASGCTISPY
<b>Research Area</b>	Cardiovascular
<b>Source</b>	E.coli
<b>Target Names</b>	LOX
<b>Protein Names</b>	Lysyl oxidase
<b>Expression Region</b>	169-417aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	49.0 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.