

## LOX Protein, Human, Recombinant (His & MBP)

### General Information

Synonyms: Protein-lysine 6-oxidase;Lysyl oxidase;LOX

Protein Construction: 169-417 aa

Species: Human

Expression Host: Baculovirus Insect Cells

Accession: P28300

Molecular Weight: 73.0 kDa (predicted)

AA Sequence: DDPYNPYKYSDDNPPYYNDTYERPRPGGRYPGYGTGYFQYGLPDLVADPYIQASTYVQKMSMYNLRCA  
AEENCLASTAYRADVRDYDHRVLLRFPQRVKNGTSDFLPSRPRYSWEWHSCHQHYHSMDEFSHYDLLDA  
NTQRRVAEGHKASFLEDTSCDYG YHRRFACTAHTQGLSPGCYDTYGADIDCQWIDITDVKPGNYILKVSVN  
PSYLVPESDYTNNVVRCDIRYTGHHAYASGCTISPY

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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