Recombinant Human LOX Protein, His-tagged

Cat. No. LOX-1092H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LOX Protein (Asp169-Tyr417) with His tag was expressed in 293F.
Species	Human
Source	HEK293
ProteinLength	Asp169-Tyr417
Description	This gene encodes a member of the lysyl oxidase family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate a regulatory propeptide and the mature enzyme. The copper-dependent amine oxidase activity of this enzyme functions in the crosslinking of collagens and elastin, while the propeptide may play a role in tumor suppression. In addition, defects in this gene have been linked with predisposition to thoracic aortic aneurysms and dissections.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.6 kDa; Accurate Molecular Mass: 33 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

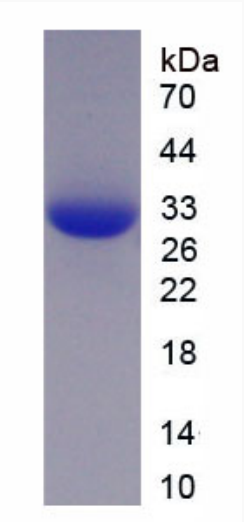
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	LOX lysyl oxidase [Homo sapiens (human)]
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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