

Recombinant Human LOX Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LOX-6669H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LOX MS Standard C13 and N15-labeled recombinant protein (NP_002308) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	1-417 aa
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.
Molecular Mass	46.8 kDa
AA Sequence	MRFAWTVLLLGPLQLCALVHCAPPAAGQQQPPPREPPAAPGAWRQQIQWENNGQV FSLLSLGSQYQPQRRRDPGAAPGAANASAAQQRTPILLIRDNRRTAAARTRTAGSS GVTAGRPRPTARHWFQAGYSTSRAREAGASRAENQTAPGEVPALSNLRPPSRVDG MVGDDPYNPYKYSDDNPYNNYYDTYERPRPGGRYRPGYGTGYFYGLPDLVADP YYIQASTYVQKMSMYNLRCAAEEENCLASTAYRADVRDYDHRVLLRFPQRVKNQGTS

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DFLPSRPRYSWEWHSCHQHYHSMDEFSDHYDLLDANTQRRVAEGHKASFCLEDTS
 CDYGYHRRFACTAHTQGLSPGCDTYGADIDCQWIDITDVKPGNYILKVSVPNSYLV
 PESDYTNVVRCDIRYTGHHAYASGCTISPYTRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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_002317

Protein Refseq NP_002308

MIM 153455

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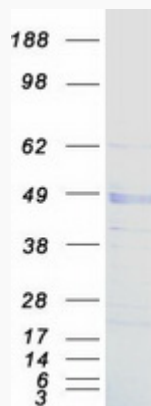
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UniProt ID

P28300

SDS-PAGE

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