

Recombinant Mouse Lox Protein, MYC/DDK-tagged

Cat. No. Lox-1333M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse lysyl oxidase (Lox), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a precursor protein that belongs to the lysyl oxidase family of proteins. The secreted proprotein is proteolytically processed to an active mature peptide and a propeptide. This propeptide is thought to function in tumor suppression by inhibiting the Ras signaling pathway. The active enzyme plays a role in cross-linking of collagen and elastin and is essential for development of cardiovascular and respiratory systems, and development of skin and connective tissue. Alternative splicing results in multiple transcript variants.
Molecular Mass	47.2 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 g/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Lox lysyl oxidase \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Lox](#)

Synonyms Lox; lysyl oxidase; rrg; TSC-160; AI893619; protein-lysine 6-oxidase; ras excision protein; ras recision; EC 1.4.3.13

Gene ID [16948](#)

mRNA Refseq [NM_010728](#)

Protein Refseq [NP_034858](#)

UniProt ID [P28301](#)

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