Recombinant Mouse Lox protein, His & GST-tagged

Cat. No. Lox-7912M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lox aa. (Pro207~Tyr411) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Pro207~Tyr411
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.
Form	Freeze-dried powder
Molecular Mass	54kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>92%

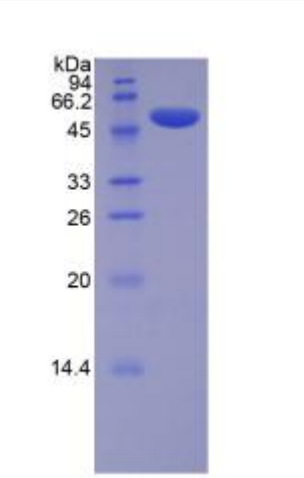
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Characteristic	The isoelectric point is 6.1.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; ReporterAssays; Purification; Amine Reactive Labeling.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200μg/mL
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

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

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Gene ID	16948
mRNA Refseq	NM_001286181.1
Protein Refseq	NP_001273110.1
UniProt ID	P28301
SDS-PAGE	

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