Mouse LOX1 Protein

Cat. No. LOX-MM101

Description

Source	Recombinant Mouse LOX1 Protein is expressed from HEK293 with His tag at the N-Terminus.
	It contains Arg60-Ile363.
Accession	Q9EQ09
Molecular Weight	The protein has a predicted MW of 36.1 kDa. Due to glycosylation, the protein migrates to 55-63 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

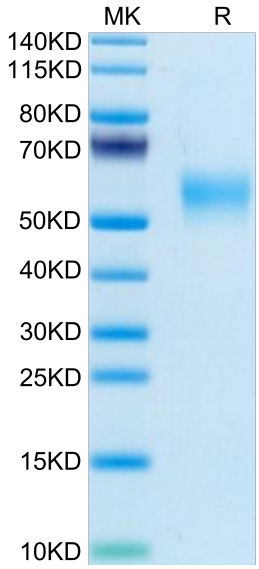
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

LOX-1 is a transmembrane glycoprotein that binds to and internalizes ox-LDL.LOX-1 gene deletion in mice and anti-LOX-1 therapy has been shown to decrease inflammation, oxidative stress and atherosclerosis. LOX-1 deletion also results in damage from ischemia, making LOX-1 a promising target of therapy for atherosclerosis and related disorders. In this article we focus on the different mechanisms for regulation, signaling and the various effects of LOX-1 in contributing to atherosclerosis.

Assay Data

Bis-Tris PAGE



Mouse LOX1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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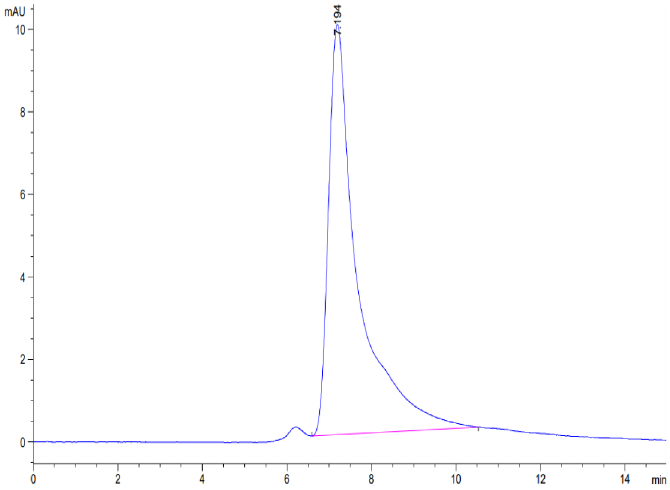

The purity of Mouse LOX1 is greater than 95% as determined by SEC-HPLC.