

## Mouse LOX1 Protein

Cat. No. LOX-MM101

### Description

<b>Source</b>	Recombinant Mouse LOX1 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Arg60-Ile363.
<b>Accession</b>	Q9EQ09
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

### Formulation and Storage

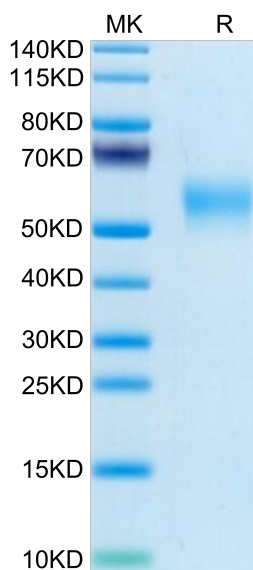
<b>Formulation</b>	Supplied as 0.22 $\mu$ m filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### 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

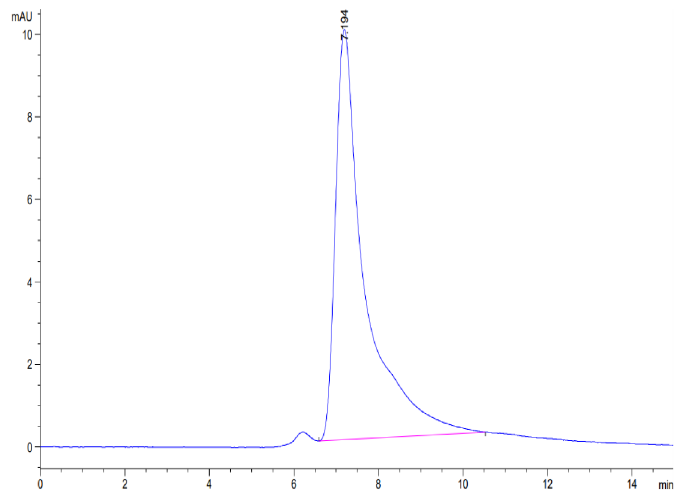
#### Bis-Tris PAGE



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

#### SEC-HPLC

Assay Data



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