

Datasheet for ABIN7275198
OLR1 Protein (AA 60-363) (His tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	OLR1
Protein Characteristics:	AA 60-363
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OLR1 protein is labelled with His tag.

Product Details

Purpose:	Mouse LOX1 Protein
Sequence:	Arg60-Ile363
Characteristics:	Recombinant Mouse LOX1 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Arg60-Ile363.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	OLR1
Alternative Name:	LOX1 (OLR1 Products)

Target Details

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.

Molecular Weight: 36.1 kDa. Due to glycosylation, the protein migrates to 55-63 kDa based on Tris-Bis PAGE result.

UniProt: [Q9EQ09](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

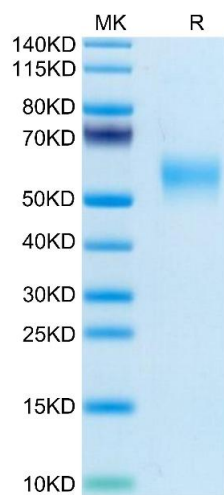
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

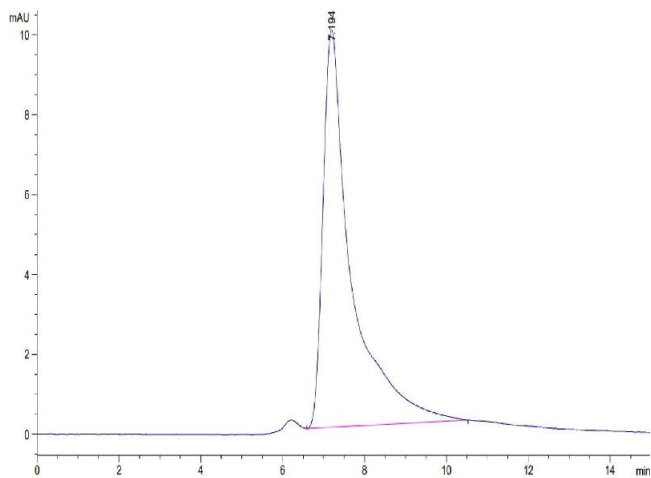
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse LOX1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse LOX1 is greater than 95 % as determined by SEC-HPLC.