

Datasheet for ABIN7275197

OLR1 Protein (AA 61-273) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	OLR1
Protein Characteristics:	AA 61-273
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OLR1 protein is labelled with His tag.

Product Details

Purpose:	Human LOX1 Protein
Sequence:	Ser61-Gln273
Characteristics:	Recombinant Human LOX1 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ser61-Gln273.
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

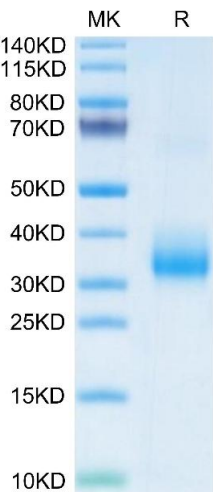
Background:	LOX-1 is a transmembrane glycoprotein that binds to and internalizes ox-LDL. LOX-1 gene deletion in mice and anti-LOX-1 therapy has been shown to decrease inflammation, oxidative stress and atherosclerosis. LOX-1 deletion also results in damage from ischemia, making LOX-1 a promising target 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:	25.4 kDa. Due to glycosylation, the protein migrates to 30-36 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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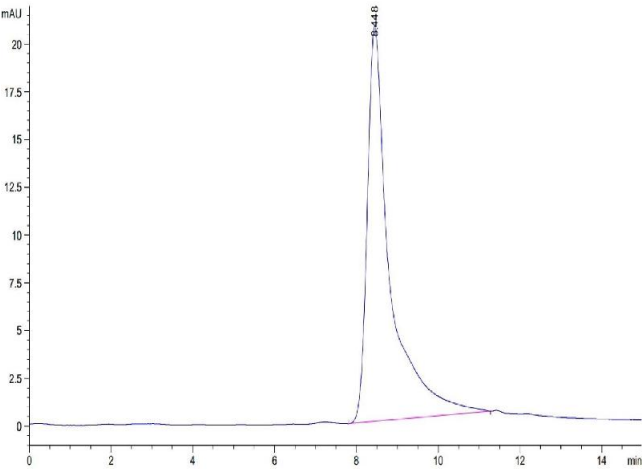
Handling

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. Human 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 Human LOX1 is greater than 95 % as determined by SEC-HPLC.