

RP00430

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Recombinant Human LOX-1/OLR1 Protein

Catalog No.: RP00430

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	4973	P78380

Tags

C-6×His

Synonyms

OLR1;CLEC8A;LOX1;LOXIN;SCARE1;SLOX1

Product Information

Source

HEK293 cells

Purification

> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein belongs a low density lipoprotein receptor that belongs to the C-type lectin superfamily. This gene is regulated through the cyclic AMP signaling pathway. The encoded protein binds, internalizes and degrades oxidized low-density lipoprotein. This protein may be involved in the regulation of Fas-induced apoptosis. This protein may play a role as a scavenger receptor. Mutations of this gene have been associated with atherosclerosis, risk of myocardial infarction, and may modify the risk of Alzheimer's disease. Alternate splicing results in multiple transcript variants.

Basic Information

Description

Recombinant Human LOX-1/OLR1 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Ser61-Gln273) of human LOX-1/OLR1 (Accession #P78380) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human LOX-1/OLR1 at 5 μg/mL (100 μL/well) can bind biotinylated advanced glycation endproducts of bovine serum albumin (AGE-BSA) with a linear range of 0.02-1 μg/mL.

Storage

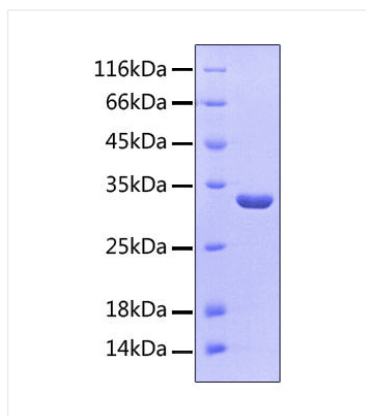
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human LOX-1/OLR1 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 32 kDa.