

# Recombinant human LOX-1/OLR1 protein

Catalog Number: ATGP1199

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

58-273aa

### UniProt No.

P78380

### NCBI Accession No.

NP\_002534

### Alternative Names

Oxidized low density lipoprotein(lectin-like)receptor 1, CLEC8A, LOX1, SCARE1

## PRODUCT SPECIFICATION

---

### Molecular Weight

24.7 kDa (216aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 5% glycerol, 0.4M urea

### Purity

> 90% by SDS-PAGE

### Tag

Non-Tagged

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

OLR1, also known as oxidized low density lipoprotein (Ox-LDL) receptor 1, is a type II membrane protein that is a member of the C-type lectin family and acts as a cell-surface receptor for Ox-LDL. Ox-LDL plays a role in early ather-osclerosis, which includes the transformation of monocyte-derived macro-phages to foam cells in atherosclerotic lesions. This protein may also trigger the activation of the NFkB signal transduction pathway.

### Amino acid Sequence

MQLSQVSDLL TQEANLTHQ KKKLEGQISA RQQAEEASQE SENELKEMIE TLARKLNEKS KEQMELHHQN LNLQETLKR

# Recombinant human LOX-1/OLR1 protein

Catalog Number: ATGP1199

ANCSAPCPQD WIWHGENCYL FSSGSFNWEK SQEKCLSLDA KLLKINSTAD LDFIQQAISY SSFPFWMGLS RRNPSYPWLW  
EDGSPLMPHL FRVRGAVSQT YPSGTCAYIQ RGAVYAENCI LAAFSICQKK ANLRAQ

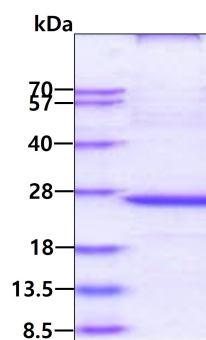
## General References

Kataoka H. et al. (1999) Circulation 99: 3110-3117.

Cominacini L. et al. (2000) J. Biol. Chem. 275: 12633-12638.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.