

Recombinant Human OLR1

Cat. No. OLR1-3631H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human OLR1 protein was expressed in E.coli (58-273aa).
Species	Human
Source	Human
ProteinLength	58-273 a.a.
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 NF κ B signal transduction pathway.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 5% glycerol, 0.4M Urea.
Molecular Weight	24.7 kDa (216aa)
Purity	> 90% by SDS - PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences of amino acids	MQLSQVSDLL TQEQLNLTHQ KKKLEGQISA RQQAEESQE SENELKEMIE TLARKLNEKS KEQMELHHQN LNLQETLKRV ANCSAPCPQD WIWHGENCYL

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

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

PPAR signaling pathway

GENE INFORMATION

Gene Name

OLR1 oxidized low density lipoprotein (lectin-like) receptor 1 [Homo sapiens]

Official Symbol

OLR1

Synonyms

OLR1; oxidized low density lipoprotein (lectin-like) receptor 1; LOX1; LOXIN; SLOX1; CLEC8A; SCARE1; oxidized low-density lipoprotein receptor 1; hLOX-1; ox LDL receptor 1; lectin-type oxidized LDL receptor 1; scavenger receptor class E, member 1; C-type lectin domain family 8 member A; oxidized low-density lipoprotein receptor 1, soluble form; Lectin-like oxidized LDL receptor 1; Lectin-like oxLDL receptor 1; LOX-1; Oxidized low-density lipoprotein receptor 1, soluble form

Gene ID

4973

mRNA Refseq

NM_001172632

Protein Refseq

NP_001166103

MIM

602601

UniProt ID

P78380

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Chromosome

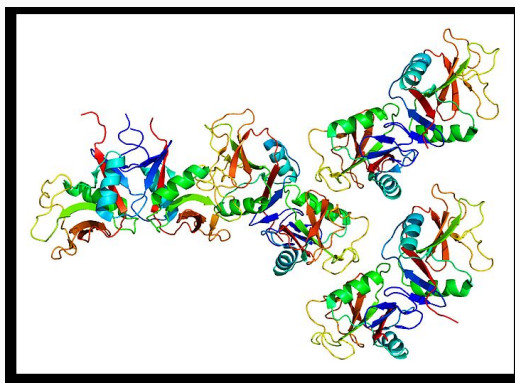
Location

12p13.2-p12.3

Function

low-density lipoprotein receptor activity; protein binding; receptor activity; sugar binding

**PDB rendering based
on 1ypo.**



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