

## Recombinant Human OLR1

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

### SPECIFICATION

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

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 45-1 Ramsey Road, Shirley, NY 11967, USA

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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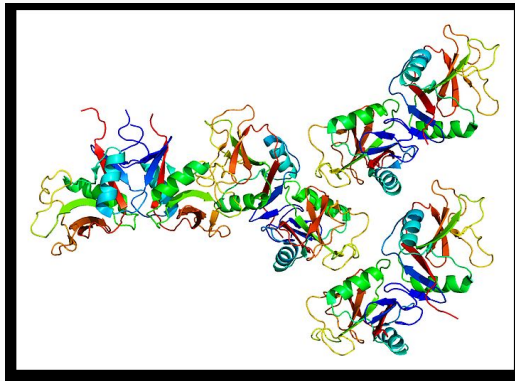
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**Chromosome****Location**

12p13.2-p12.3

**Function**

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

**PDB rendering based on 1ypo.** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA