Recombinant Human Oxidized Low Density Lipoprotein (Lectin-like) Receptor 1

Cat. No. OLR1-2451H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OLR1 consists of a single polypeptide chain corresponding to extracellular domain (58-273 aa) of the whole lectin-like oxidized lipoprotein receptor-1 (LOX-1) molecule without tags. It was produced in*E. coli*.
Species	Human
Source	E.coli
ProteinLength	58-273 a.a.
Description	LOX-1 is a receptor protein which belongs to the C-type lectin superfamily. Its gene is regulated through the cyclic AMP signaling pathway. The 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.
Purification	>92% pure. Ion-exchange chromatography.
Buffer	Lyophilized from 50mM Tris-HCl, pH 7.6, 150mM Sodium chloride.
Format	Purified, Lyophilized.
Applications	Calibrator or standard in immunoassays, immunogen for antibody production. Each laboratory should determine an optimum working titer for use in its particular

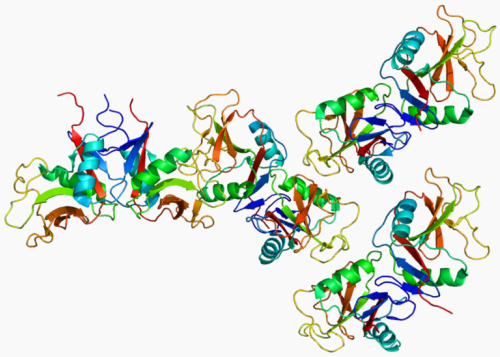
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	application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Preservative	None.
Inactivation	Not applicable.
Storage	Store lyophilized product at -70°C. After reconstitution, aliquot and store at -70°C. Avoid multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	OLR1 oxidized low density lipoprotein (lectin-like) receptor 1 [Homo sapiens]
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
Pathway	PPAR signaling pathway
Function	low-density lipoprotein receptor activity; protein binding; receptor activity; sugar binding
PDB rendering based on 1ypo.	

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