

Recombinant Human OLR1 Protein, His-tagged

Cat. No. OLR1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human OLR1 (58-273aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect cells
ProteinLength	58-273 a.a.
Description	This gene encodes 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.
Form	Liquid
Molecular Mass	25.8 kDa (225aa)
AA Sequence	ADPMQLSQVSDLLTQEQLNLTHQKKKLEGQISARQQAEEASQESENELKEMIETLA RKLNEKSKEQMELHHQNLNLQETLKRVANCSAPCPQDWIWHGENCYLFSSGSFNW EKSQEKCLSLDAKLLKINSTADLDFIQQAISYSSFPFWMGLSRRNPSYPWLWEDGSP

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	LMPHLFRVRGAVSQTYPSGTCAIYIQRGAVYAENCILAAFSICQKKANLRAQH HHHHHH
Endotoxin	< 1.0 EU/μg of the protein by the LAL method.
Purity	> 95% as analyzed by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at 2 to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	OLR1 oxidized low density lipoprotein receptor 1 [Homo sapiens (human)]
Official Symbol	OLR1
Synonyms	OLR1; oxidized low density lipoprotein receptor 1; LOX1; LOXIN; SLOX1; CLEC8A; SCARE1; oxidized low-density lipoprotein receptor 1; C-type lectin domain family 8 member A; hLOX-1; lectin-type oxidized LDL receptor 1; ox LDL receptor 1; oxidized low density lipoprotein (lectin-like) receptor 1; oxidized low-density lipoprotein receptor 1, soluble form; scavenger receptor class E, member 1
Gene ID	4973
mRNA Refseq	NM_002543

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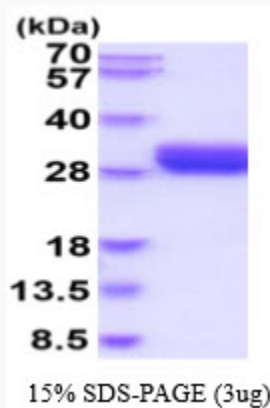
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Protein Refseq [NP_002534](#)

MIM [602601](#)

UniProt ID [P78380](#)

SDS-PAGE



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

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