

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	<p>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.</p> <p>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.</p>
Form	Liquid
Molecular Mass	25.8 kDa (225aa)
AA Sequence	ADPMQLSQVSDLLTQEQANLTHQKKKLEGQISARQQAEAEASQSENELKEMIETLA RKLNEKSKEQMELHHQNLNLQETLKRVANCSAPCPQDWIWHGENCYLFSGSGFNW EKSQEKCLSLDAKLLKINSTADLDFIQQAISYSSFPFWMGLSRRNPSYPWLWEDGSP

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LMPHLFRVRGAVSQTYPSGTCAIYIQRGAVYAENCILAAFSICQKKANLRAQHSHHHHH

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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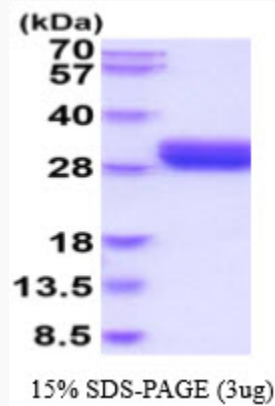
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Protein Refseq NP_002534

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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