

Recombinant Human OLR1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OLR1-5099H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

OLR1 MS Standard C13 and N15-labeled recombinant protein (NP_002534) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

31 kDa

AA Sequence

MTFDDLKIQTVKDQPDEKSNKGKAKGLQFLYSPWWCLAAATLGVLCLGLVVTIMVL
GMQLSQVSDLLTQEQANLTHQKKKLEGQISARQQAEAEASQSENELKEMIETLARK
LNEKSKEQMEHHQNLNLQETLKRVANCSAPCPQDWIWHGENCYLFSSGSFNWEK
SQEKCLSLDAKLLKINSTADLDFIQQAISYSSFPFWMGLSRRNPSYPWLWEDGSPLM
PHLFRVRGAVSQTYPSTGTCAYIQRGAVYAENCILAAFSICQKKANLRAQTRTRPLEQ
KLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	OLR1 oxidized low density lipoprotein receptor 1 [Homo sapiens (human)]
Official Symbol	OLR1
Synonyms	OLR1; oxidized low density lipoprotein (lectin-like) receptor 1; oxidised low density lipoprotein (lectin like) receptor 1; oxidized low-density lipoprotein receptor 1; CLEC8A; LOX 1; SCARE1; 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; LOX1; LOXIN; SLOX1;
Gene ID	4973
mRNA Refseq	NM_002543
Protein Refseq	NP_002534
MIM	602601

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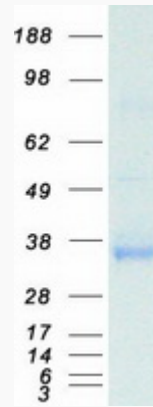
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UniProt ID

P78380

SDS-PAGE



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