# Recombinant Human OLR1 protein, His & T7-tagged

**Cat. No.** OLR1-1885H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human OLR1 aa. (Leu81~Gln273 (Accession # P78380)) fused with N-terminal His & T7 tag was produced in E. coli cells. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Leu81~Gln273 |
| **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** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 25.9kDa. |
| **Endotoxin** | <1.0EU per 1ug (determined by the LAL method) |
| **Purity** | >95% |

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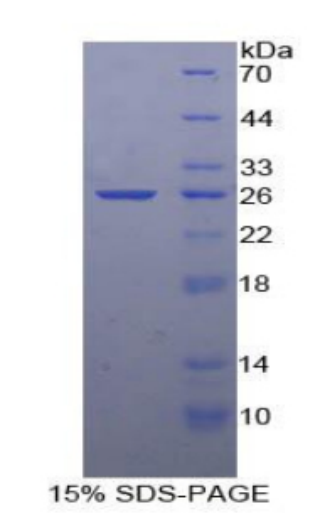
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| **Characteristic** | The isoelectric point is 6.8. |
| **Applications** | SDS-PAGE; WB; ELISA; IP. |
| **Stability** | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| **Storage Buffer** | Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl. |
| **Reconstitution** | Reconstitute in sterile PBS, pH7.2-pH7.4. |

## GENE INFORMATION

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| **Gene Name** | OLR1 oxidized low density lipoprotein receptor 1 [ Homo sapiens (human) ] |
| **Official Symbol** | OLR1 |
| **Synonyms** | Il17rd; interleukin 17 receptor D; RGD1565237; interleukin-17 receptor D |
| **Gene ID** | 4973 |
| **mRNA Refseq** | NM_001172632.1 |
| **Protein Refseq** | NP_001166103.1 |

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| **UniProt ID** | P78380 |




SDS-PAGE

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