

# Active Recombinant Full Length Human OLR1 Protein, C-Flag-tagged

**Cat. No.** OLR1-693HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human OLR1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | <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> |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Bio-activity</b>     | Binding assay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 30.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MTFDDLKIQTVDQPDKSNKGKAKGLQFLYSPWWCLAAATLGVLCGLVVTIMVL<br>GMQLSQVSDLLTQE QANLTHQKKKLEGQISARQQAEESQESNELKEMIETLARK<br>LNEKSKEQMELHHQNLNLQETLKRVCANC SAPCPQDWIWHGENCYLFSSGSFNWE                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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KSQEKCLSLDAKLLKINSTADLDFIQQAISYSSFPFWMGLSRRN  
 PSYPWLWEDGSPLMPHLFRVRGAVSQTYPSGTCAYIQRGAVYAENCILAAFSICQK  
 KANLRAQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome, Secreted Protein, Transmembrane                                                                                             |
| <b>Protein Pathways</b> | PPAR signaling pathway                                                                                                                        |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

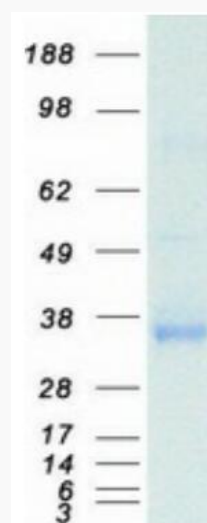
|                        |                                                                           |
|------------------------|---------------------------------------------------------------------------|
| <b>Gene Name</b>       | OLR1 oxidized low density lipoprotein receptor 1 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | OLR1                                                                      |
| <b>Synonyms</b>        | LOX1; LOXIN; SLOX1; CLEC8A; SCARE1                                        |
| <b>Gene ID</b>         | 4973                                                                      |

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|                       |             |
|-----------------------|-------------|
| <b>mRNA Refseq</b>    | NM_002543.4 |
| <b>Protein Refseq</b> | NP_002534.1 |
| <b>MIM</b>            | 602601      |
| <b>UniProt ID</b>     | P78380      |



Coomassie blue staining of purified OLR1 protein.