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**Product Data Sheet**


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Product Name: OLR1 Human, Sf9

Cat. No.: GP24094

Batch No.: 1

**Product Data**

Purity &gt;98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms Oxidized Low Density Lipoprotein Receptor 1; C-Type Lectin Domain Family 8 Member A; Lectin-Type Oxidized LDL Receptor 1; CLEC8A; HLOX-1; LOX1; Oxidised Low Density Lipoprotein (Lectin-Like) Receptor 1; Oxidized Low Density Lipoprotein (Lectin-Like) Receptor 1; Oxidized Low-Density Lipoprotein Receptor 1; Soluble Form; Oxidized Low-Density Lipoprotein Receptor 1; Scavenger Receptor Class E; Member 1; Lectin-Like Oxidized LDL Receptor 1; Lectin-Like OxLDL Receptor 1; Ox LDL Receptor 1; Ox-LDL Receptor 1; SCARE1; LOXIN; SLOX1; LOX-1; Oxidized low-density lipoprotein receptor 1; Ox-LDL receptor 1; C-type lectin domain family 8 member A; LOX-1; Lectin-like oxLDL receptor 1; hLOX-1; Lectin-type oxidized LDL receptor 1.

Amino Acid Sequence  
 ADPMQLSQVSDLLTQEQANL THQKKKLEGQ ISARQQAEAA SQESENELKE  
 MIETLARKLN EKSKEQMEHL HQNLNLQETLKRVANCSAPC PQDWIWHGEN  
 CYLFSSGSFN WEKSQEKCLS LDAKLLKINS TADLDFIQQA  
 ISYSSFPFWMGLSRRNPSYP WLWEDGSPLM PHLFRVRGAVSQTYPSGTCA  
 YIQRGAVYAE NCILAAFSIC QKKANLRAQH HHHHH.

Formulation OLR1 protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Introduction**

OLR1 is a type II membrane protein which belongs to the C-type lectin family and performs as a cell-surface receptor for Ox-LDL. Ox-LDL has a part in early atherosclerosis, which includes the transformation of monocyte-derived macrophages to foam cells in atherosclerotic lesions. In addition, OLR1 protein triggers the activation of the NF- $\kappa$ B signal transduction pathway.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

OLR1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 225 amino acids (58-273a.a) and having a molecular mass of 25.8kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). OLR1 is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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