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## Product Data Sheet

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Product Name: OLR1 Human, HEK

Cat. No.: GP24093

Batch No.: 1

**Product Data**

Purity	>98%	Source	HEK 293.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Oxidized low density lipoprotein (lectin-like) receptor 1; CLEC8A; hLOX1; SCARE1; Lectin-type oxidized LDL receptor 1; Lectin-like oxidized LDL receptor 1; C-type lectin domain family 8 member A; LOXIN; SLOX1; ox LDL receptor 1; Oxidized low-density lipoprotein receptor 1 soluble form; scavenger receptor class E member 1; SR-E1.		
Amino Acid Sequence	DYKDDDDKSQ VSDLLTQEQA NLTHQKKKLE GQISARQQAE EASQSENEL KEMIETLARK LNEKSKEQME LHHQNLNLQE TLKRVANCSA PCPQDWIWHG ENCYLFSSGS FNWEKSQEK LSLDAKLLKI NSTADLDFIQ QAISYSSFPF WMGLSRRNPS YPWLWEDGSP LMPHLFRVRG AVSQTYPSTGT CAYIQRGAVY AENCILAAFS ICQKKANLRA Q.		
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.		
Formulation	OLR1 was filtered (0.4µm) and lyophilized in phosphate buffered saline pH 7.5.		

**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-κB signal transduction pathway.

**Stability**

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Store lyophilized protein at  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show any change after two weeks at  $4^{\circ}\text{C}$ .

### Background

OLR1 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Ser61-Gln273) containing a total of 221 amino acids, having a calculated molecular mass of 25.3kDa and fused to a 8 aa Flag tag at N-Terminus.

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