
Product Data Sheet

Product Name: OLR1 Human
 Cat. No.: GP24092
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ox-LDL; 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.		
Amino Acid Sequence	MQLSQVSDLL TQEQLNLTHQ KKKLEGQISA RQQAEEASQE SENELKEMIE TLARKLNEKS KEQMELHHQN LNLQETLKRV ANCSAPCPQD WIWHGENCYL FSSGSFNWEK SQEKCLSLDA KLLKINSTAD LDFIQQAISY SSFPFWMGLS RRNPSYPWLW EDGSPMLPHL FRVRGAVSQT YPSGTCAIYI RGAVYAENCI LAAFSICQKK ANLRAQ		
Formulation	The OLR1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 5% 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 κ B signal transduction pathway.

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

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

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OLR1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 216 amino acids (58-273) and having a molecular mass of 24.7 kDa. The OLR1 is purified by proprietary chromatographic techniques.

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