

Recombinant Human LOX 1 protein (denatured) ab111627

画像数 1

製品の詳細

製品名	Recombinant Human LOX 1 protein (denatured)
精製度	> 90 % SDS-PAGE.
発現系	Escherichia coli
アクセッション番号	<u>P78380</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	<p> MQLSQVSDLLTQEQANLTHQKKKLEGQISARQQAEESQESE NELKEMIE TLARKLNEKSKEQMELHHQNLNLQETLKRVANCSAPCPQDWI WHGENCYL FSSGSFNWEKSQEKCLSLDAKLLKINSTADLDFIQQAISYSS FPFWMGLS RRNPSYPWLWEDGSPLMPHLFRVRGAVSQTYPSTGTCAYIQRG AVYAENCI LAAFSICQKKANLRAQ </p>
予測される分子量	25 kDa
領域	58 to 273
製品の詳細	Recombinant Human LOX 1 protein

特性

Our **Abpromise guarantee** covers the use of **ab111627** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション SDS-PAGE

製品の状態 Liquid

前処理および保存

保存方法および安定性 Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

pH: 8.00

Constituents: 2.4% Urea, 0.32% Tris HCl, 5% Glycerol (glycerin, glycerine)

関連情報

機能

Receptor that mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells. OxLDL is a marker of atherosclerosis that induces vascular endothelial cell activation and dysfunction, resulting in pro-inflammatory responses, pro-oxidative conditions and apoptosis. Its association with oxLDL induces the activation of NF-kappa-B through an increased production of intracellular reactive oxygen and a variety of pro-atherogenic cellular responses including a reduction of nitric oxide (NO) release, monocyte adhesion and apoptosis. In addition to binding oxLDL, it acts as a receptor for the HSP70 protein involved in antigen cross-presentation to naive T-cells in dendritic cells, thereby participating in cell-mediated antigen cross-presentation. Also involved in inflammatory process, by acting as a leukocyte-adhesion molecule at the vascular interface in endotoxin-induced inflammation. Also acts as a receptor for advanced glycation end (AGE) products, activated platelets, monocytes, apoptotic cells and both Gram-negative and Gram-positive bacteria.

組織特異性

Expressed at high level in endothelial cells and vascular-rich organs such as placenta, lung, liver and brain, aortic intima, bone marrow, spinal cord and substantia nigra. Also expressed at the surface of dendritic cells. Widely expressed at intermediate and low level.

関連疾患

Note=Independent association genetic studies have implicated OLR1 gene variants in myocardial infarction susceptibility.

Note=OLR1 may be involved in Alzheimer disease (AD). Involvement in AD is however unclear: according to some authors (PubMed:12354387, PubMed:12810610 and PubMed:15976314), variations in OLR1 modify the risk of AD, while according to other (PubMed:15000751 and PubMed:15060104) they do not.

配列類似性

Contains 1 C-type lectin domain.

ドメイン

The cytoplasmic region is required for subcellular sorting on the cell surface.
The C-type lectin domain mediates the recognition and binding of oxLDL.

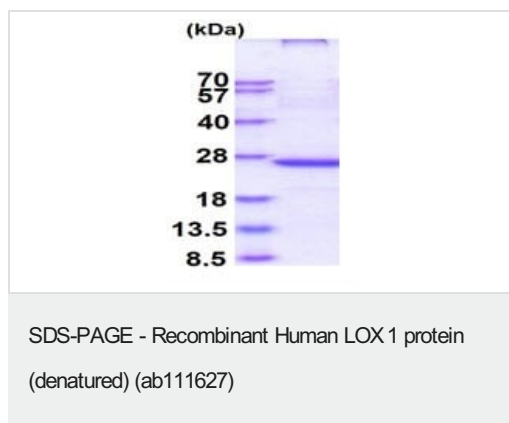
翻訳後修飾

The intrachain disulfide-bonds prevent N-glycosylation at some sites.
N-glycosylated.

細胞内局在

Cell membrane. Secreted. A secreted form also exists.

画像



15% SDS-PAGE showing ab111627 at approximately 24.7kDa (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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