

Product datasheet

Recombinant Human LOX 1 protein (denatured) ab111627

1 图像

描述

产品名称	重组人LOX 1蛋白(denatured)
纯度	> 90 % SDS-PAGE.
表达系统	Escherichia coli
Accession	<u>P78380</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	MQLSQVSDLLTQEQLNLTQKKKLEGI SARQQAEESQSE NELKEMIE TLARKLNEKSKEQMLHHQNLNLQETLKRVANCSAPCPQDWI WHGENCYL FSSGSFNWEKSQEKCLSLDAKLLKINSTADLDFIQQAISYSS FPFWMGLS RRNPSYPWLWEDGSPLMPHLFRVRGAVSQTYPSTGTCAYIQRG AVYAENCI LAAFSICQKKANLRAQ
预测分子量	25 kDa
氨基酸	58 to 273
描述	重组人LOX 1蛋白

技术指标

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.

应用	SDS-PAGE
形式	Liquid

制备和贮存

稳定性和存储 Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

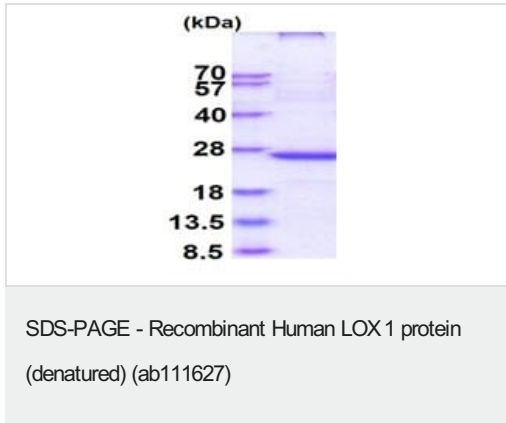
pH: 8.00

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

常规信息

功能	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.
组织特异性	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.
疾病相关	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.
序列相似性	Contains 1 C-type lectin domain.
结构域	The cytoplasmic region is required for subcellular sorting on the cell surface. The C-type lectin domain mediates the recognition and binding of oxLDL.
翻译后修饰	The intrachain disulfide-bonds prevent N-glycosylation at some sites. N-glycosylated.
细胞定位	Cell membrane. Secreted. A secreted form also exists.

图片



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"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

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