

## Product datasheet

# Natural human LDL protein ab91115

★★★★★ 1 Abreviews 1 Image

### Overview

---

|                       |                           |
|-----------------------|---------------------------|
| <b>Product name</b>   | Natural human LDL protein |
| <b>Protein length</b> | Full length protein       |

### Description

---

|                            |        |
|----------------------------|--------|
| <b>Nature</b>              | Native |
| <b>Source</b>              | Native |
| <b>Amino Acid Sequence</b> |        |
| <b>Species</b>             | Human  |

### Specifications

---

Our [Abpromise guarantee](#) covers the use of **ab91115** in the following tested applications.

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

|                         |   |
|-------------------------|---|
| <b>Applications</b>     | SDS-PAGE<br>Functional Studies  |
| <b>Purity</b>           | > 95 % SDS-PAGE.<br>Purity: single arc by IEP against antisera to whole human serum. Essentially free of other plasma lipoproteins as determined by electrophoresis using Fat Red 7B stain for lipids and Coomassie Blue for proteins. >=95% of total lipoprotein content by electrophoresis. |
| <b>Form</b>             | Liquid  |
| <b>Additional notes</b> | Prepared from fresh, non-frozen plasma shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.   |

### Preparation and Storage

---

|                              |   |
|------------------------------|---|
| <b>Stability and Storage</b> | Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark.<br>pH: 7.40<br>Constituents: 0.01% EDTA, 0.87% Sodium chloride<br>This product is an active protein and may elicit a biological response in vivo, handle with caution. |
|------------------------------|---|

## General Info

---

### Relevance

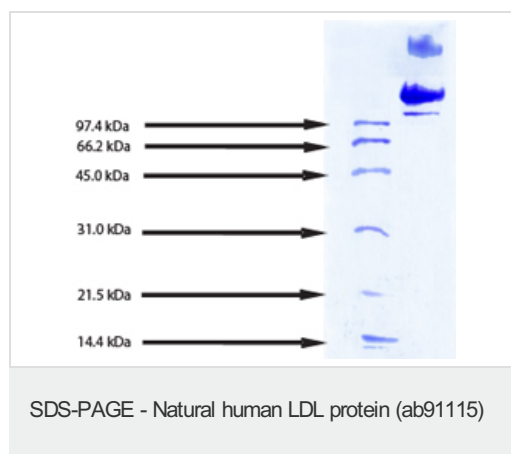
The low density lipoprotein (LDL) receptor system coordinates the metabolism of cholesterol, an essential component of the plasma membrane of all mammalian cells. Study of this system has led to an enhanced understanding of the cellular basis of cholesterol homeostasis. It has also brought into focus an important mechanism of metabolic regulation—the process of receptor-mediated endocytosis (1). Data suggest that the juxtamembranous region of the cytoplasmic domain participates in protein:protein interactions that allow the low density lipoprotein receptor to cluster in coated pits (2). It has been shown that the family of LDL receptors may serve as viral receptors. Endocytosis of the Flaviviridae viruses, hepatitis C virus, GB virus C/hepatitis G virus, and bovine viral diarrhoeal virus (BVDV) was shown to be mediated by LDL receptors on cultured cells

### Cellular localization

Cell Membrane

## Images

---



SDS-PAGE: 12% Tris HCl gel  
10 µg LDL (reduced / heat)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## 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.com/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors