abcam

Product datasheet

Natural human LDL protein ab91115

1 Abreviews 1 Image

Overview

Product name	Natural human LDL protein
Protein length	Full length protein

Description

Nature	Native
Source	Native

Amino Acid Sequence

Species	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.

Applications	SDS-PAGE Functional Studies
Purity	> 95 % SDS-PAGE. 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.
Form	Liquid
Additional notes	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

Stability and Storage	Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark. Preservative: None Constituents: 0.01% EDTA, 150mM Sodium chloride, pH 7.4 This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

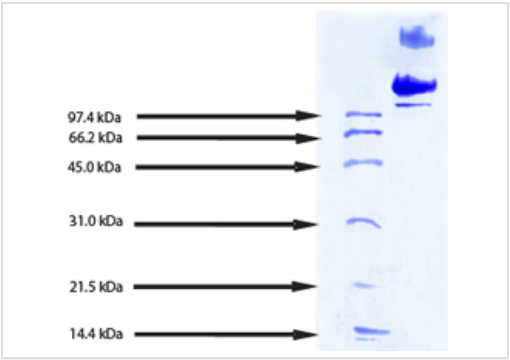
Relevance

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 diarrheal virus (BVDV) was shown to be mediated by LDL receptors on cultured cells

Cellular localization

Cell Membrane

Images



SDS-PAGE - LDL protein (Human) (ab91115)

SDS-PAGE: 12% Tris HCl gel

10 µg LDL (reduced / heat)

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